

UNIVERSITY OF ALBERTA

CALENDAR

of the

Faculty of Education

1960-61



Edmonton and Calgary, Alberta

CALENDAR

of the

Faculty of Education

Fifty-third Session
1960-61

The University of Alberta is a co-educational, publicly-supported institution, possessing the sole right of conferring degrees, other than degrees in Divinity, within the Province of Alberta. It is a member of the Association of Universities of the British Commonwealth and of the National Conference of Canadian Universities and Colleges.

Instruction at the University began in September 1908, in what is now the Faculty of Arts and Science but was first officially so named in 1914. Teaching in other fields was established as follows: 1912—Law; 1913—Medicine and Engineering; 1915—Agriculture; 1917—Dentistry and Pharmacy; 1918—Household Economics; 1924—Nursing; 1928—Commerce; 1950—Physical Education; 1954—Physiotherapy. Graduate Study began slowly in the early years but has increased rapidly since 1950; the Faculty of Graduate Studies was established in 1957.

The Department of Extension was initiated in 1912, and the Banff School of Fine Arts in 1933. University classes began in Calgary in 1946; the first year of Arts and Science was provided in 1951, and the first year of various degree courses and the second of some have gradually been added.

As this calendar is published a considerable time before the opening of the Session, the University reserves the right to make whatever changes circumstances may require, including cancellation of particular courses.

COMMUNICATIONS

Mail should be addressed to the appropriate officer at The University of Alberta, Edmonton, Alberta.

Dr. W. H. Johns, *President*

Dr. H. T. Coutts, *Dean of the
Faculty of Education*

Mr. A. D. Cairns, *Registrar*

—Admissions, Convocation, Examinations,
Records, Registration, Transcripts.

Dr. A. J. Cook, *Director of
Student Counselling Services*

—Change of Faculty, Interest and Aptitude
Tests, Personal Problems, Off-campus
Housing, Unsatisfactory Standing, Voca-
tional Planning, Withdrawals from Uni-
versity.

Mr. J. M. Whidden, *Bursar*

—Medical Services, Payment of Fees,
Residence Accommodation.

Mr. R. B. Wishart, *Administrator
of Student Awards*

—Bursaries, Grants, Loans, Scholarships.

OFFICE HOURS:

Monday through Friday

—8:30 a.m. to 12:00 noon.

1:15 p.m. to 4:30 p.m., all year.

Saturday

8:30 a.m. to 12:00 noon, mid-September
to mid-May.

Students planning to attend the University of Alberta in Calgary should address communications to The General Office, University of Alberta, Calgary.

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Map of the Edmonton campus

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JANUARY				JANUARY			
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PART I

The University

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ACADEMIC SCHEDULE

1960-61

1960

July—

Friday, 1—

Fifty-fourth University year begins.

Monday, 4—

Summer Session supplemental examinations.

8:30 a.m.—Registration of Summer Session students.

1:00 p.m.—Summer Session lectures begin.

Banff School of Fine Arts Summer Session begins.

Monday, 11—

Last day for receiving applications to write conjoint Nurse graduation and registration examinations conducted in August.

Friday, 15—

Last day for application for Graduate degrees to be conferred at Fall Convocation.

August—

Monday, 1—

Last day for receiving applications for September examinations on behalf of affiliated professional societies (for Nursing see July 11).

Last day for receiving formal applications for admission of students from outside Canada.

Last day for students with unsatisfactory university records to notify the Student Counselling Services that they are seeking re-admission.

Applications due for August matriculation examinations at the Examinations Branch, Department of Education, Administration Building.

Friday, 5—

Last day for receiving applications for supplemental examinations.

Saturday, 13—

Summer Session ends.

Banff School of Fine Arts Summer Session ends.

Monday, 15—

August matriculation examinations begin.

Last day for receiving applications for admission to the Faculty of Law and the Faculty of Pharmacy.

Conjoint Nurse graduation and registration examinations begin.

Monday, 22—

Supplemental examinations begin in Medicine and Dentistry.

Tuesday, 30—

Primary Examinations of Institute of Chartered Accountants of Alberta begin.

Wednesday, 31—

Last day for receiving applications from residents of Canada for admission to the faculties of Agriculture, Arts and Science (including pre-dentistry, pre-law and Arts and Science for Medicine), Education,

Engineering, Graduate Studies and to the Schools of Commerce, Household Economics, Nursing, Physical Education and Physical and Occupational Therapy. No assurance can be given that late applications will be dealt with in time for registration.

September—

Monday, 5—

Labor Day; University buildings closed.

Tuesday, 6—

Supplemental examinations begin.

Registration of Medical students; First Year, 8:45 a.m.; second 9:30 a.m.; third 10:15 a.m.; fourth 11:00 a.m.

Registration of Dental students: First year, 1:30 p.m., second 2:15 p.m.; third 3:00 p.m.; fourth 3:45 p.m.

Intermediate and Final Uniform Examinations of the Institute of Chartered Accountants of Alberta begin.

Professional examinations begin except in Nursing (See August 15).

Wednesday, 7—

8:30 a.m.—Lectures begin in second, third and fourth years in faculties of Dentistry and Medicine.

Wednesday, 7 and Thursday, 8—

Orientation exercises for first year Medical and Dental students.

Friday, 9—

Lectures begin in first year in faculties of Dentistry and Medicine.

Saturday, 10—

Last day for receiving registrations in the Evening Credit Program (including students in the Faculty of Graduate Studies).

Thursday, 15—

Last day for submission of theses by graduate students expecting to receive their degrees at Fall Convocation.

Last day for filing by M.D. and D.D.S. students of applications for grants and loans under Students' Assistance Act.

Saturday, 17—

9:00 a.m.—Registration of students in the Faculty of Law.

Monday, 19—

8:30 a.m.—Lectures begin in the Faculty of Law.

Registration Period for Full-time Students, September 19 to 22.

Monday, 19—

First day for registration of students in the Faculty of Graduate Studies.

Registration of new full-time students in the complete first year of Agriculture, Commerce, Arts and Science, Education (Junior E), Engineering, Household Economics, Medical Laboratory Science, Nursing (B.Sc.), Pharmacy, Physical Education and Physical or Occupational Therapy. Registration also of students entering the courses leading to the Diploma in Public Health Nursing, the Diploma in Teaching and Supervision in Schools of Nursing, and the final year of the degree program in Nursing.

Tuesday, 20—

Registration of new full-time students in the complete first year of Education (B.Ed.). Registration of students entering the second, third or fourth years of the degree course in Nursing, and the first, second or third year of the diploma course in Nursing.

Registration of full-time students attending for their second session in Arts and Science (except combined B.A., LL.B. course and students in any pattern who are repeating all of first year).

Wednesday, 21—

Registration of full-time students attending for their second session in Agriculture, Arts and Law (B.A., LL.B.—combined course), Commerce, Education, Engineering, Household Economics, Medical Laboratory Science, Pharmacy, Physical Education and Physiotherapy, also students in Arts and Science who are repeating *all* of the first year. Registration of full-time students in the third year of Medical Laboratory Science, and students in the B.Ed. program following a B.A. or other approved degree.

Thursday, 22—

Registration of full-time students in the third or fourth year of programs in Agriculture, Arts and Science, Commerce, Education (except B.Ed. after other approved degree), Household Economics, Pharmacy, Physical Education, and Engineering.

Friday, 23—

8:30 a.m.—Lectures begin for all students registered in previous four days.

Monday, 26—

First day for registration of B.D. candidates and of Special and Part-time students in all faculties.

Evening Credit Program classes begin.

October—

Saturday, 1—

Last day for oral examination of Masters and Doctoral candidates for Fall Convocation.

Last day for registration of part-time and special students and of students in the Faculty of Graduate Studies (extramural and intramural) except those in Evening Credit Program (see September 10).

Last day for filing by other than M.D. and D.D.S. students of applications under the Students' Assistance Act.

Special supplemental examinations.

Monday, 10—

Thanksgiving Day; University Buildings closed.

Saturday, 15—

Last day for payment of undergraduate fees.

Last day for registration of B.D. students.

Saturday, 22—

Notice of intention to be absent from Fall Convocation must be given by 12:00 noon.

Saturday, 29—

(afternoon)—Fall Convocation (to be held in Calgary).

November—

Monday, 14 to Saturday, 19—
Test Week*.

December—

Thursday, 1—

Last day for receiving applications to write January conjoint nurse graduation and registration examinations.

Thursday, 15—

Last day for receipt of applications for Certificates of Post-Graduate Qualification in Medicine.

Thursday, 22—

Last day of lectures before Christmas vacation.

Friday, 23—

Christmas vacation begins.

1961**January—**

Monday, 2—

Christmas vacation ends.

Tuesday, 3—

8:30 a.m.—First term lectures resume.

Last day for filing second term applications for grants and loans under the Students' Assistance Act.

Saturday, 7—

Last day of lectures in the first term except in the D.D.S., the LL.B. and M.D. programs.

Monday, 9 to Saturday, 14—

Mid-session examinations, except in the D.D.S., the LL.B. and the M.D. programs*.

Thursday, 12—

Conjoint Nurse graduation and registration examinations begin.

Monday, 16—

Second term lectures begin.

Last day for payment of second instalment of fees.

February—

Wednesday, 1—

Last day for application for Graduate Degrees to be conferred at Spring Convocation.

Monday, 13 to Saturday, 18—

Test Week*.

March—

Wednesday, 1—

Last day for receiving applications for examinations on behalf of affiliated professional societies (except Nursing).

Saturday, 4—

Last day for receiving applications for supplemental examinations to be written in April.

Friday, 31—

Good Friday; University Buildings closed.

April—

Saturday, 1—

Last day for submission by graduate students of theses.

Last day for receipt of applications for admission from new students, undergraduate or graduate, who wish to enter the University in the 1961 Summer Session.

Monday, 3—

Last day for receiving applications for first year Medicine.

Saturday, 8—

Last day of lectures in first year Engineering and fourth year Dentistry.

Tuesday, 11—

Final examinations begin in first year Engineering and fourth year Dentistry.

Friday, 14—

Last day for oral examinations of Master and Doctoral candidates for Spring Convocation.

Saturday, 15—

Last day of lectures for students in Arts and Science, Commerce, Household Economics, Agriculture, Education, Law, Medical Laboratory Science, Nursing, Pharmacy, Physical Education, Physical and Occupational Therapy, and second, third, fourth years of Engineering.

Monday, 17—

Final examinations begin for students in the School of Nursing except first year B.Sc.

Survey School begins for first year Engineers.

Examinations of the following affiliated professional societies begin:

The College of Physicians and Surgeons of Alberta, the Alberta Dental Association, the Alberta Association of Architects, the Association of Professional Engineers of Alberta, the Alberta Land Surveyors' Association, the Alberta Pharmaceutical Association, and the Veterinary Medical Association of Alberta.

Wednesday, 19—

Final examinations begin for other students mentioned under April 15.

Monday, 24—

Field experience begins for students in the School of Nursing except first year B.Sc.

Five weeks clinical period in fourth year Dentistry begins.

Saturday, 29—

Last day for registration of students in the Summer Session.

Second term ends, except in faculties of Medicine and Dentistry, and in first year Engineering.

May—

Monday, 1—

First and second year Medical Laboratory Science students begin eighteen week period of hospital training.

Outdoor School begins for second year B.P.E. students.

Wednesday, 3—

Notice of intention to be absent from Convocation must be given by 12:00 noon.

Saturday, 6—

Last day of lectures in first three years of Dentistry and in all years of Medicine.

Monday, 8—

Three months' period of Hospital Practice for School of Physical and Occupational Therapy begins.

Final examinations begin in first, second and third years of Dentistry and all years of Medicine.

Tuesday, 9—

Charter Day.

Wednesday, 10—

Survey School ends.

Sunday, 14—

Outdoor School ends for second year B.P.E. students.

Monday, 15—

Last day for receiving applications for admission to Dentistry.

Thursday, 25—

Convocation for the conferring of degrees and awarding of prizes, except in Dentistry and Medicine.

Saturday, 27—

Five weeks of clinical work in fourth year Dentistry ends.

June—

Thursday, 1—

Last day for receiving applications for supplementals from 1960 Summer Session.

Monday, 5—

Medical and Dental Convocation.

Friday, 30—

Fifty-fourth University year ends.

*Students will not be granted permission to leave the campus for extra-curricular activities during test weeks in November, December and February.

THE UNIVERSITY: ITS LAND AND BUILDINGS

In Edmonton, the University possesses 857 acres (campus, 133 acres; farm, 724 acres). The campus, located about two miles from the business centre, borders the wooded southern bank of the North Saskatchewan river. It contains some twelve major teaching and research buildings, in addition to student residences, service buildings and two affiliated colleges. Adjoining are the Alberta Research Council, the Provincial Laboratory of Public Health, two teaching hospitals and the Northern Alberta Jubilee Auditorium.

At Calgary, the new campus extends to about 230 acres, and is situated on the Banff Highway, at the western limits of the city. The two buildings in Calgary are designed to house Arts, Education, Science and Engineering.

The Banff School of Fine Arts, which is administered by the University, is located in the mountains. A few courses for university credit may be taken there in the summer months.

II—PROGRAMS OF STUDY

Faculty or School	Degree or Diploma	Years required (after senior matriculation unless other- wise shown) to complete course	Years of course offered	
			Edmonton	Calgary
Arts and Science	B.A.	3	all	1, 2
	B.Sc.	3	"	1, 2
	B.Mus.	3	"	0
	B.A. Honors	4	"	1
	B.Sc. Honors	4	"	1
	Dip. in Art:	4	"	0
	(Intermed. Dip. in Art)	2	"	0
Commerce	B.Com.	4	"	1
	B.Com. Honors	4	"	1
(with Arts and Sci.)	B.A., B.Com.	5	"	1, 2
Household Economics	B.Sc.	3	"	1
Agriculture	B.Sc.	4 (see matri- culation require- ments)	"	1
Engineering (Civil, Chemical, Electrical, Mechanical, Metallurgical, Mining, Petroleum, Eng. Physics) . (with Arts and Sci.)	B.Sc.	4	"	1, 2
	B.A., B.Sc.	6	"	1, 2
Dentistry	D.D.S.	4 (after pre- Dental year)	"	pre-dent. only
Education	B.Ed.	4	"	1, 2, 3
	B.Ed. in Industrial Arts	4	4th year only	1, 2, 3
Law	LL.B.	3 (after B.A.)	all	0
(with Arts and Sci.)	B.A., LL.B.	5	"	1, 2
Medicine	M.D.	4(after 2 pre- Med. yrs.)	"	0
	B.Sc.	1 (see Med. calendar)	"	0

Faculty or School	Degree or Diploma	Years required (after senior matriculation unless otherwise shown) to complete course	Years of course offered	
			Edmonotn	Calgary
Nursing	B.Sc. in Med. Laboratory Sci.	3	all	0
	B.Sc.	5	"	1
	Dip. Public Health	1 (after hospital graduation)	"	0
	Dip. Teaching-Supervision	1 (after hospital graduation)	"	0
Physical Therapy and	Diploma	3	"	0
Occupational Therapy	Diploma	3	"	0
Pharmacy	B.Sc.	3	"	0
Physical Education	B.P.E.	3	"	1
Graduate Studies	M.A., M.Ed., M.Sc., Ph.D., Ed.D.	see Graduate Studies Calendar	"	depends on field of study
Committee on the degree of Bachelor of Divinity	B.D.	see Arts and Science Calendar	"	0

EVENING CREDIT PROGRAM

Through its Evening Credit Program, the University offers credit courses at various centres in the evening and on Saturdays for the convenience of persons employed during the day. In 1959-60, courses were offered in Calgary, Camrose, Edmonton, Holden, Lethbridge, Red Deer, Trochu, Vegreville, Westlock, Wetaskiwin. For details of the courses, fees, and regulations, see the Evening Credit Program Announcement.

SUMMER SESSION

The University has conducted a Summer Session since 1919. Established primarily to meet the needs of teachers, the Summer Session provides a variety of courses for the convenience of candidates for various degrees who are unable to attend the regular sessions. Courses are offered also for students interested in special fields and for students entering upon degree work who are deficient in certain matriculation subjects. For details of courses, fees, and regulations, see the Summer Session Announcement.

III—(a) ADMISSION REQUIREMENTS

FACULTY OR SCHOOL	PROGRAM	SUBJECTS OF ALBERTA GRADE XII (Senior Matriculation) REQUIRED FOR ADMISSION (with average of at least 60%)								REMARKS
		English 30	Social Studies 30	Maths. 30	Maths. 31*	Chem. 30	Phys. 30	Biol. 32	French 30 German 30 Latin 30	
Arts and Science	B.A., LL.B. B.Mus. Dipl. in Art	C C C	C C C	C C C		O O O	O O O	O O O	O O O	4 compulsory: 2 options. Either two sciences or two languages are required. For B.Mus. matriculants must also have completed Western Board of Music Grade VIII practical and Grades IV and V theoretical examinations.
	B.Sc. (Biological) B.Sc. (Physical) Pre-Dentistry	C C C	C C C	C C C	C	O O C	O O C	O O C	C C C	4 compulsory: 2 options. 5 compulsory: 2 options (Chemistry and Physics strongly recommended). 6 compulsory.
	B.Sc.	C	C	C		C	O	O	O	4 compulsory, 2 options (Physics recommended). Admission will also be granted on basis of Diploma from Provincial School of Agriculture provided applicant possesses certain Grade XI and XII credits.
	B.Com.	C	C	C		O	O	O	O	3 compulsory: 3 options.
Commerce										
Dentistry	D.D.S.	C	C	C		C	C		C	The foregoing plus completion of the Pre-dental yr. req'd for adm.
Education	B.Ed.	C	C	O		O	O	O	O	2 compulsory: 4 options. Candidates intending to specialize in Household Economics should have Chemistry 30.

Engineering	B.Sc.	C	C	C	C	C	C	C	C	7 compulsory. Students presenting Chem. 30 without approved lab will have to satisfy Dept. of Chem. as to their proficiency in lab.
Household Economics	B.Sc.	C	C	C	C	C	C	C	C	5 compulsory: 1 option (Physics is recommended).
Law	LL.B.									Either a B.A. (or equivalent degree) or completion of the first two years of the B.A., LL.B. program is required for admission to Law.
Medicine	M.D.									Satisfactory completion of at least 2 years of university work after senior matriculation including full courses in inorganic chem., organic chem., physics and zoology is required for admission.
Nursing	B.Sc. in Medical Lab. Science	C	C	C	C	C	C	C	O	4 compulsory: 2 options.
	B.Sc. or Dipl. in Public Health or Teaching and Supervision	C	C	C	O		C	O	O	3 compulsory: 3 options.
Pharmacy	B.Sc.	C	C	C	C	C	C	O	O	4 compulsory: 2 options (Physics is recommended).
Physical Education	B.P.E.	C	C	C	O		C	O	O O O	3 compulsory: 3 options (Biology is recommended).
Physical Therapy and Occupational Therapy	Diploma Diploma	C	C	C	C		C	C	C	6 compulsory.

NOTES: (1) In above columns "C" denotes a compulsory subject, "O" an option. The minimum acceptable mark is 50%, the average 60%.

(2) Matriculants from other provinces or countries holding equivalent standing will be deemed admissible.

(3) Social Studies (or History) will not be required of matriculants from outside Alberta or Saskatchewan except in the B.Ed. program.

(4) Further details may be found in the faculty sections of the calendar.

*Mathematics 31 mark not counted in computing required average.

III—(b) ADMISSION PROCEDURES

The courses of study in the University are, unless otherwise specified, open to men and women on equal terms.

Enrolment in any faculty or school must necessarily be limited to the number of students who can be accommodated. Students are normally accepted in the order of their academic standing from among the whole list of applicants.

APPLICATIONS AND TRANSCRIPTS

Prospective students who have not previously attended the University of Alberta must complete Application for Admission forms and must submit them to the appropriate office by the prescribed deadline. Graduate students should obtain forms from the Dean of Graduate Studies, Education students from the Dean of Education and all others from the Registrar of the University. The completed forms should be returned to these same University offices. The applicant should also arrange for the officer to receive two *official transcripts* of his previous education (high school and beyond), *to be sent direct from the the department or institution maintaining such records.*

WISE FEE

A fee of \$5.00 is charged for the evaluation of educational documents issued Canada but outside Alberta; the fee is \$10.00 for documents issued in other countries. Students entering the Faculty of Graduate Studies are exempt from visé fees.

DEADLINES

Applications for admission to Medicine	first Monday in April
Applications for admission to Dentistry	middle of May
Applications for admission to Law or Pharmacy	middle of August
Applications for admission to all other faculties	end of August

NOTE: Earlier deadlines apply in the case of a student who has taken his previous education outside Canada. Such students should submit their applications, suitably documented, one full month before the deadlines outlined above.

For exact dates, please see Academic Schedule at the front of this calendar.

ADVANCED STANDING

Students from other universities may be admitted to advanced standing except in the combined courses. Extramural credits from recognized universities may be accepted under certain conditions, but such credits will not be considered beyond the first year of university work. Students who have taken the equivalent of university courses in some other manner may be excused such courses but will not be granted advanced standing in them. They will be required to substitute other courses in order to complete a program of normal weight at this university.

All applications for such admissions should be addressed to the Registrar well in advance of the beginning of the session. Each application will be dealt with on its merits. The university reserves the right to require applicants for

advanced standing to write examinations at any level including that of matriculation.

The amount of advanced standing that may be granted is limited by the residence requirements of the University of Alberta.

CLASSIFICATION OF STUDENTS

Students are classified as graduates, provisional graduates, special graduates, undergraduates (full-time or part-time), specials, and auditors.

Graduate Students are those holding a recognized degree who have been formally admitted to the Faculty of Graduate Studies as candidates for a higher degree.

Provisional Graduate Students are those holding a recognized degree who are registered in the Faculty of Graduate Studies for the purpose of qualifying for admission to candidacy for a higher degree (see calendar of Faculty of Graduate Studies).

Special Graduate Students are those already holding graduate degrees who are registered in the Faculty of Graduate Studies for some special project or research, and who are neither candidates nor prospective candidates for any further graduate degree.

Undergraduate Students are those who possess full senior matriculation and who are taking one or more courses for credit towards an undergraduate degree. These students fall into two categories:

- (a) *Full-time students*—i.e. those who are registered in two-thirds or more of a full year's work.
- (b) *Part-time students*—i.e. those who are registered in less than two-thirds of a full year's work.

Special Students are those who, although registered in one or more courses, are currently neither seeking credit towards a degree or diploma, nor entrance into a graduate program.

Auditors are students who are registered in one or more courses and who, having presented to the Registrar written permission from an instructor to attend lectures in his course, are allowed to register in the course as auditors, on the understanding that this privilege permits them only to listen and not to participate in class discussions, assignments, or examinations.

THE FACULTY OF GRADUATE STUDIES

The Faculty of Graduate Studies administers programs leading to the degrees of Master of Arts, Master of Education, Master of Science, Doctor of Philosophy, and Doctor of Education, and makes recommendations for granting the degrees of Doctor of Science and Doctor of Letters. Graduates who take courses in the University but are not at the time candidates for a degree are also enrolled in the faculty as "provisional graduate students".

Full details of regulations and programs of study will be found in the section of the calendar relating to the Faculty of Graduate Studies.

IV—REGISTRATION AND FEES

REGISTRATION PROCEDURE

Students should consult the Academic Schedule at the front of this calendar for registration dates. Further necessary details will be supplied at the time of registration.

Students are required to register for courses in which they are deficient before registering for other courses. The faculty councils reserve the right to adjust courses to meet the requirements of time-tables of lectures and examinations. The program of work for which a student seeks registration is in every case subject to the approval of the Registrar and the faculty concerned.

Graduate students carrying on full-time research or other academic work during the summer months may receive residence credit by registering with the Faculty of Graduate Studies for the whole, or a portion, of the period extending from the end of one regular winter session to the beginning of the next: this period is known as the Intersession. Application for such registration should be made as soon as the applicant's plans for this period are final.

N.B.—A student is responsible for the completeness and accuracy of his registration. He is also responsible for any adjustment of registration made necessary by the results of supplemental examinations. Particular care should be exercised with regard to prerequisite courses. Registration in courses which directly conflict on the timetable will be allowed only when the permission of the Faculty Council concerned has been secured.

PHYSICAL EXAMINATION

All students entering the University of Alberta for the first time are required to take a physical examination at the time of registration.

LATE REGISTRATION

Students are normally required to complete their registration, in person, by the date specified in the academic schedule (page 7). After the end of the registration period, registration will be permitted only in exceptional circumstances and with the payment of a penalty fee of \$3.00 plus \$1.00 per day. Where possible, application for late registration should be made to the Registrar in advance of the normal registration period.

CHANGES IN REGISTRATION

A student may not abandon a course or change from one course to another without first obtaining permission from his Dean or Director. This permission in the form of a "Change of Registration" slip, signed by the Dean or Director must be presented to the Registrar before the change becomes official.

CANCELLATION OF REGISTRATION

A student who wishes to withdraw from the University should report at once to the Student Counselling Services in order to complete Notice of Withdrawal forms. A student who withdraws without completing such forms will not be eligible for any refund of fees, nor for exemption from fees in the event that he has not paid them.

FEES

(Make all cheques payable at par to University of Alberta.)

The University reserves to itself the right to change these fees from year to year without notice.

Registration is incomplete until fees have been paid and is subject to cancellation unless payment has been made by final date according to regulations as stated in the section, "Payment of Fees".

When a student withdraws with the approval of his Dean an adjustment will be made on a pro rata basis except that no refunds will be made where withdrawal or cancellation is subsequent to March 31. In the case of a full-time undergraduate student an administrative charge of \$10 will be made. In any other case the administrative charge will be the amount of the registration fee.

The following special fees are applicable to all faculties and will be assessed in particular cases as they apply:

For viséing certificates (Not applicable in Graduate Studies.)

Canadian	\$ 5.00
Others	10.00
For transcript of record	1.00
For supplemental examinations, each subject	10.00
For special supplemental examinations, each subject	15.00
For summer reading courses in languages	5.00
Late registration	\$3.00+\$1.00 per day

UNDERGRADUATE PROGRAMS**I—Full-time Students****General Fees**

	Edmonton	Calgary
Students' Union:*		
General	\$11.25	\$15.25
Building Fund	10.00	6.00
University Athletic Board	7.00	7.00
	<hr/> \$28.25	<hr/> \$28.25

*Full particulars on these fees may be found in the Students' Union Handbook.

Students will be assessed for extraordinary damage to furniture, apparatus, books, etc. Invoices will be submitted when necessary and must be paid before credit will be given for examinations.

NOTE: Student veterans are notified that the late registration fee will *not* be paid by the Department of Veterans' Affairs and must be paid by the student.

Instruction Fees*Faculty of Arts and Science:*

(a) B.A.:	
Per session	\$215.00
(b) B.Mus.:	
Per session	215.00
(c) B.Sc.:	
Per session	245.00

(d) Diploma in Art:	
Per session	\$215.00
<i>Faculty of Agriculture:</i>	
Per session, first and second years	235.00
Per session, subsequent years	245.00
<i>School of Commerce:</i>	
Per session	245.00
<i>Arts and Commerce:</i>	
Per session, first and second years	215.00
Per session, subsequent years	245.00
<i>Faculty of Dentistry:</i>	
(a) Pre-dental course (Arts and Science), first or second year:	
Per session	245.00
(b) Faculty of Dentistry:	
Per session, first and second years	365.00
Per session, third and fourth years	415.00
<i>Faculty of Education:</i>	
Per session, first and second years	205.00
Per session, third and fourth years	225.00
<i>Faculty of Engineering:</i>	
Per session, first and second years	285.00
Per session, subsequent years	315.00
<i>Arts and Engineering:</i>	
Per session, first, second and third years	245.00
Per session, fourth year	285.00
Per session, subsequent years	315.00
<i>School of Household Economics:</i>	
B.Sc. in H.E.:	
Per session	245.00
<i>Faculty of Law:</i>	
(a) Arts and Law:	
Per session, first and second years	215.00
(b) Law:	
Per session	265.00
<i>Faculty of Medicine:</i>	
(a) M.D.:	
Per session, first year	365.00
Per session, second year	475.00
Per session, third and fourth years	525.00
(b) B.Sc. in Medical Laboratory Science:	
Per session	245.00
(c) B.Sc. in Medicine:	
Per session	200.00
<i>School of Nursing:</i>	
(a) Degree course:	
Per session, first year	245.00

REGISTRATION AND FEES

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Per session, intermediate years	Gratis
Per session, final year	\$245.00
(b) Diploma course (Public Health or Teaching and Supervision)	245.00
For General Fees, see Section VII of the Nursing Calendar.	
<i>Faculty of Pharmacy:</i>	
Per session	255.00
<i>School of Physical Education:</i>	
Per session	225.00
<i>School of Physical Therapy and Occupational Therapy:</i>	
Per session	245.00

II—Part-time Students

	General Fees		
	1 Course	2 Courses	3 Courses
Registration	\$ 2.00	\$ 2.00	\$ 2.00
Medical Services*	12.00
Students' Union	9.00	21.25
University Athletic board**	7.00	7.00	7.00

*Optional at registration (not available for students taking less than 3 courses).

**Optional at registration.

Instruction Fees

	Full Course	Half Course
Arts and Science	\$55.00	\$30.00
Education	55.00	30.00
Commerce	55.00	30.00
Household Economics	55.00	30.00
Auditor	12.00	6.00

In all other schools and faculties the fee assessments will be based upon the proportion the hours of instruction in the courses taken bear to the total number of hours of instruction in a normal year's work in the faculty concerned. For the purpose of assessment of fees, students who are taking two-thirds or more of a full year's work will be treated as full time students. In no case will the total fees assessed any special or partial student exceed the total fee for a normal year's work, nor will the minimum assessment for tuition for one full course be less than \$55.00.

GRADUATE PROGRAMS

Faculty of Graduate Studies:

General Fees	
Registration	\$ 8.00
Medical services, optional at registration	12.00
Students' Union and University Athletic Board, optional at registration	28.25

Instruction Fees

Students who have already started masters' programs will note that the method of assessing fees has been changed. Assessment of fee balances under

the new system will not change the total fee for any student who completes his program in the normal time.

Full-time Students

Except where otherwise noted, each fee quoted in the following schedule is the current total instruction fee for the minimum period during which it is possible to complete the degree program. The University reserves the right to change fees without notice. Students who have not completed their programs when a change is made will pay at the new rate for the balance of their programs.

D.Sc. or D.Litt. degree	\$200.00
Ph.D. or Ed.D. degrees (Holders of Master's degree) \$200.00 a year for two years	400.00
Ph.D. or Ed.D. degrees (Holders of Bachelor's degree) \$200.00 a year for three years	600.00
Masters degrees (Holders of Bachelor's degree with honors or of the B.Sc. degree from a four-year undergraduate program) One year at	200.00
Masters degrees (Holders of the B.Ed. degree or of any Bachelor's degree from a three-year undergraduate program) One year at \$200.00 and one at \$100.00	300.00
Master of Education degrees for which residence credit is obtained at Summer Session, Three Sessions at \$100.00	300.00
Subsequent years for all doctoral and masters candidates:	
Extramural	15.00
Intramural	30.00

Special and provisional graduate students taking courses other than those credited toward a degree program will be assessed \$55.00 per full course and \$30.00 per half course to a maximum of the fee for a full year's program of senior work in the appropriate faculty.

Part-time Students

Part-time students in all categories will be assessed \$55.00 per full course and \$30.00 per half course up to the amount of the total instruction fee for the full program. Part-time students shall be subject to an extra assessment of \$15.00 (extramural) or \$30.00 (intramural) for each registration in excess of three. Any outstanding balance will be assessed in the student's final session.

Committee on Degree of Bachelor of Divinity:

Registration	5.00
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For Summer Session fees, see Summer Session Calendar.

EXAMINATION FEES

(a) *Final Examinations:* No fee is levied for final examinations written during regular examination periods.

(b) *Supplemental Examinations:* A fee of \$10.00 is charged for each supplemental examination written during a regular supplemental examination period. Applications for September examinations received after August 5 must be accompanied by an additional fee of \$5.00 and may not necessarily be accepted.

(c) *Deferred Final Examinations*: A fee of \$5.00 is charged for each deferred final written during regular supplemental examination periods. The fee for special deferred finals requiring the setting of special papers is \$10.00 per paper.

(d) *Special Supplemental Examinations*: For special supplemental examinations a fee of \$15.00 is charged for each subject.

(e) *Outside Centres*: An additional fee of \$5.00 per subject is charged for writing supplemental examinations in established Alberta centres other than Edmonton and Calgary.

PAYMENT OF FEES

1. Fees are due and payable immediately after registration. If desired, payment of undergraduate fees may be made in two instalments, in which case an additional charge of \$3.00 will be added to the second instalment, except in the Faculties of Medicine and Dentistry, where the charge will be \$5.00. The first instalment consists of full General fees and approximately 60% of the Instruction fee.
2. Last dates for instalment payments of undergraduate fees are October 15 and January 14. A penalty of \$5.00 will be charged on any payments after these dates. In addition, if payment has not been made by October 31 for first-term fees and January 31 for second-term fees, registration will be subject to cancellation and the student will be excluded from classes.
3. Where students are permitted to register late, either in undergraduate or graduate programs, the last date for payment of fees will be fifteen days after the date of assessment. A penalty of \$5.00 will be charged for any payment after this date.
4. Extramural students:
 - (a) Registration will not be accepted unless accompanied by the registration fee of \$2.00 (\$8.00 for graduate students) which is not refundable. Full fees are payable on assessment and if not paid as at November 30, registration will be cancelled.
 - (b) If notice of withdrawal is received by the Registrar by November 30, all fees except the registration fee will be refunded. If notice of withdrawal is received by the Registrar subsequent to November 30, a *pro rata* charge from October 15 is made and the balance refunded except that no refunds will be made where withdrawal or cancellation is subsequent to March 31.
 - (c) A registration may not be carried over from one session to another session. If a student, for any reason other than illness, does not write his examination at the regular time, all fees are forfeited, and in order to be admitted to another examination in that course he must register in another session and pay the full fees. Deferred final examinations may be granted only on the basis of illness verified by a doctor's certificate and must be written at the time of the next regular University examination period.

V—GENERAL REGULATIONS**(a) ACADEMIC REGULATIONS****EXAMINATIONS****Term Examinations**

(a) *First-Year Courses*: In first-year courses a definite mark for each student will be reported to the Registrar's Office at the close of the first term. This mark may be computed on the basis of one or more tests or essays or in any way that the instructor may consider satisfactory.

(b) *Senior Courses*: In senior courses the holding of term examinations is optional with the department concerned.

(c) *Distribution of Credits*: In each course where a final examination is held, credit of not less than 30% and not more than 70% will be assigned to term work. The remaining credit in each course will be assigned to the final examination. At the beginning of the session, announcement will be made by each instructor as to the procedure in each case and the distribution of credit.

(d) *Absence from term examinations or tests*: If a student has an unexcused absence from a term examination or test, the mark assigned to him will be zero. However, in case of illness the student may be excused from writing the examination or test. In applying for exemption a student must present an absence card signed by the Infirmary Physician. When exemption is granted the percentage allotted to the examination or test missed is added to the percentage allotted to the final examination.

(e) *Test Weeks*: Although instructors may give tests at any time at their discretion, one week in the middle of each term and one week between terms have been set aside as test weeks to assist in scheduling. During these weeks students will not be excused from classes for extracurricular activities.

Final Examinations

(a) *Final Examinations*: With certain exceptions, a final examination is held in each course. In courses completed in the first term, final examinations may be held either during the test week in January *under departmental supervision*, or at the end of the session, at the discretion of the departments concerned. All other final examinations are held at the end of the session.

(b) *Absence from Final Examinations*: Any student who is ill or suffering from severe domestic affliction is advised not to sit for a final examination. Instead he should advise the Registrar at once of the circumstances and should apply for a deferred final examination to be written at the time of the regular supplementals. Similar action should be taken by any student, who, because of religious convictions or for other cogent reasons, is unable to write a final examination at the scheduled time. Such application will be referred to the student's dean or director for a final decision.

If a student becomes ill or receives word of domestic affliction during the course of an examination, he should report at once to the Supervisor, hand in his unfinished paper and request that it be cancelled. Thereafter, if illness is the cause, he must go directly to the Infirmary so that any subsequent application for a deferred examination may be supported by a medical certificate. The Registrar should be notified of the circumstances in writing within 48 hours of the examination.

Should a student write an examination, hand in his paper for marking, and later report extenuating circumstances to support his request for cancellation of his paper and for another examination, such request will not be entertained.

(c) *Incomplete Laboratory Work*: A student who has not completed laboratory work or assignments in a course may be refused permission to write the final examination.

(d) *Appeals*: Final examination papers may be re-read on an appeal being made to the Registrar within thirty days after the publication of results, accompanied by a fee of \$10.00 for each paper; the fee will be refunded if the appeal is sustained—i.e. if the mark is raised from a failure to a pass, or from Class III to Class II. The appeal privilege is limited to two papers.

(e) *Aegrotat Standing*: Aegrotat standing may be granted by the Faculty Council concerned to a student registered in either of the last two years of any course, unless it be in the final year for the first degree in a combined course.

Any student wishing to take advantage of this privilege should apply without delay to the Dean of the faculty concerned. Any other student absent from a final examination because of illness may apply for permission to write the regular supplemental examination (see paragraph (b), above).

(f) *Statement of Record*: After the end of each University session a statement of record is mailed to each student at the home address specified on his registration. This should not be expected before June 15.

Supplemental and Deferred Final Examinations

(a) *Supplemental Examinations*: Supplemental examinations are conducted by the University in September of each year (for exceptions, see following paragraph). A student who has failed in a course in the preceding session and who has been granted a supplemental examination should apply to the Registrar not later than August 5, remitting the prescribed fee. Except under special circumstances, no student who has written final examinations will be permitted to sit for a supplemental examination unless he has attained an average of at least 50% on the year's work including the failed subject or subjects. In the faculties of Law, Medicine and Dentistry the average on the year's work must be at least 60%. Any student who returns to the University, having failed a supplemental examination or having neglected to write it, will be required to repeat the course. In certain cases an equivalent course may be prescribed instead of the failed course. The number of supplemental examinations allowed to any student is determined by the Faculty Council concerned. Notification of permission which may be granted to write one or more supplemental examinations is included in the statement of marks sent to all students.

Supplemental examinations for students in the Junior E program, Faculty of Education, will be held in Mid-August, and for Medical and Dental students in the latter part of August. Applications must be submitted to the Registrar at least thirty days before the examinations commence.

(b) *Distribution of Credit*: The percentage of term marks carried forward to a supplemental examination will be determined by the department and faculty concerned.

(c) *Graduating Students*: In the Faculties of Arts and Science, Agriculture, and Education, and in the Schools of Commerce, Household Economics, and Physical Education, second-class standing is required in a specified number of

subjects. This is also the case in the degree course in Medical Laboratory Science. Regulations governing the writing of supplemental examinations to obtain such standing are laid down by these faculties and schools in their own calendars. Subsequent to the degree examinations a member of the graduating class, who having exhausted all the regular supplemental examination privileges, has still a failure in one course only, may, with permission of the faculty concerned, register in and repeat that course extramurally unless in the opinion of the department concerned a second attendance is necessary. A graduating student who is absent on account of illness from, or who fails in a first term final examination may be allowed a supplemental examination at the end of the session; applications for such examination must be made not later than March 4.

Graduands failing to qualify for their degrees are warned that the University does not guarantee that supplemental examinations will be available for a subsequent indefinite period. In no case will an application for such supplemental examination be considered after three years have elapsed from the time the examination was failed.

(d) *Deferred Final Examinations:* A student who has missed a final examination because of illness or domestic affliction or who is obliged to absent himself from an examination for some other compelling reason (including religious convictions) may apply for a deferred final examination to be written at the time of the regular supplemental examinations (see section (b) under Final Examinations). A student in the Faculty of Medicine, Dentistry or Law who cannot take a first term final examination because of illness will be granted a deferred final examination at the end of the session. This regulation also applies to graduating students. (See section (c) above.) Application for such examination must be made not later than March 5 and must be supported by a satisfactory medical certificate.

(e) *Absence from Supplemental or Deferred Final Examination:* Special supplemental and special deferred final examinations may be granted to students who are prevented by illness (attested by a physician), domestic affliction or other extreme circumstances from writing at the regular time. In addition, special examinations may be granted to a student who is employed during a regular supplemental period, provided his application is approved by his Dean, and provided also that he is able to produce a certificate from his employer to the effect that his services were indispensable at the time the regular supplemental examinations were being written.

(f) *Special Supplemental and Special Deferred Final Examinations:* Special supplemental and special deferred final examinations may be written in October (See Academic Schedule for date). In certain approved cases they may be written during the regular examination periods in March, April, July or August. In each case, application must be made a full month before the examination is to be written.

EXAMINATION RESULTS

After the examination papers have been marked and the final results computed, they must be reviewed by the faculties and recorded in the permanent records before an individual statement can be sent to each student. As this process is time-consuming, students should not expect to receive their statements of marks until about June 15.

DEGREES IN ABSENTIA

Graduands who are unable to be present at Convocation are required to give notice in writing of their intention to be absent. This notice must be received by the Registrar by the date and hour indicated in the Academic Schedule. Any student who fails to give notice as required will be assessed a penalty of \$10.00 prior to release of his or her parchment. A graduand may be excused from the payment of this fee if his absence without notice is due to sudden illness, accident, domestic affliction or other reason deemed valid by the Registrar.

GRADING SYSTEM

Students' marks are graded as follows: 80% and over, Class I; 65% to 79%, Class II; 50% to 64%, Class III. For students proceeding toward an under-graduate degree the pass mark is 50% unless otherwise specified; in courses taken toward a graduate degree the pass mark is 65%.

ACADEMIC HONORS**First-Class Standing**

First-class standing in a given year is awarded to any student who secures an average mark of not less than 80% in the work of that year.

First-Class General Standing

First-class general standing will be awarded to, and will be inscribed upon the degree parchment of, any student who secures first-class standing in the years specified in the following schedule:

<i>Degree</i>	<i>Qualifying Period</i>
B.A., or B.Sc. (Arts) or B.Com.	Years, I, II and III of the general course.
B.Sc. (H.Ec.)	Years I, II and III.
B.A. in B.A., LL.B. course	Arts and Science I and II, Law I.
B.A. in B.A., B.Sc. (Engineering course)	Years, I, II and III.
B.A. in B.A., B.Com. course	Years, I, II and III.
B.Com. in B.A., B.Com. course	Years III, IV and V.
D.D.S.	Any three years, and an average of 80% or more during the four years of the program.
M.D.	As for D.D.S.
B.Ed. and B.P.E.	Any two years, and an average of 80% or more during the last three years of the B.Ed. program (two and one-half years for the old high school program) or during all three years of the B.P.E. program.
LL.B.	Years I, II and III of Law.
B.Sc. (Nursing)	Years I and V and an average of 80% or more in II, III and IV.
B.Sc. (Pharmacy)	Years I, II and III.

DEGREES WITH HONORS**The Faculty of Arts and Science**

A student with approved qualifications may proceed to the degree of Bachelor of Arts or Bachelor of Science with honors by following a more concentrated course of study in a special field under the supervision of one of the departments.

The time required for an honors degree is four years from senior matriculation. A student may apply for admission to an honors course at the beginning of either the first or second year, but formal admission to honors comes at the beginning of the second year.

Honors degrees are awarded in two classes, first-class honors and honors. For first-class honors, an average of 80% is required; for honors, 65%. In awarding honors, the entire university record of the student is considered.

DEGREES WITH DISTINCTION**The Faculty of Agriculture**

The degree of Bachelor of Science in Agriculture with high distinction or with distinction may, at the discretion of the faculty, be awarded to a student who has made a scholastic record of distinctive merit during the last two full years of work. To be eligible for the degree with distinction, the student must have a weighted average of not less than 80%. When the weighted average mark for the last two year's work is 85% or more, a student is eligible for consideration for a degree with high distinction.

The Faculty of Engineering

The notation "with high distinction" will be made on the records and parchments of those students who have secured an average of not less than 85% in the prescribed work of the two years preceding graduation; the notation "with distinction" will be made when the average is 75% to 84%.

The Faculty of Law

Students who have given evidence of a high standard of scholarship during their first year of Law may be permitted, with the approval of the faculty, to take any two of the following subjects in addition to the work ordinarily required in the second and third years in Law:

- (a) Legal Psychology;
- (b) Corporation Finance (Economics 370);
- (c) Political Science (Pol. Sci. 310);
- (d) Public International Law;
- (e) Roman Law.

Students who have been permitted by the Faculty of Law to take courses leading to the degree of Bachelor of Laws with Distinction may, on special application to the Faculty of Law, be permitted to substitute one or more courses in lieu of one or more of the additional distinction subjects enumerated above.

If the work of such students in the two extra subjects so taken and in the courses of the second and third years in Law indicates a high standard of

scholarship, such students may, with the approval of the faculty, be granted the degree of Bachelor of Laws with Distinction.

RESIDENCE REQUIREMENTS

A student proceeding towards a first degree will normally be required to attend at least one academic year as a full-time student.

PROMOTION REGULATIONS

Full details of special promotion regulations of the various faculties and schools will be found in pages relating to the faculty or school.

UNSATISFACTORY STANDING

A freshman student whose matriculation record is weak may be warned of this fact at the outset of the session. A freshman student whose record in this first term is deemed unsatisfactory will be so notified by his Dean or Director. Appropriate steps will be taken to assist the student to improve his standing.

The records of all students in the University are reviewed at the end of each session. A student whose record is then unsatisfactory will be notified by his Dean or Director and will be referred to Student Counselling Services for recounselling.

A student whose record is extremely unsatisfactory may not re-enter the University without re-counselling. Such a student who seeks re-admission to the University must report his intention by letter or in person to the Director, Student Counselling Services, not later than August 1st.

A student with an extremely unsatisfactory record at another University will not be considered for admission until at least a year has elapsed from the date of his leaving that institution. Thereafter, the procedure outlined above will apply.

The General Faculty Council may refuse permission to a student or prospective student to enter any year of any course if, in the opinion of the Council, the student shows a lack of general educational attainment. Further, a student whose record in the classroom, in tests, or in final examinations is unsatisfactory, may at any time be required to withdraw from the University.

RELATION OF SCHOLASTIC STANDING TO EXTRACURRICULAR ACTIVITIES

To be eligible (1) to represent the University in any competition with outside organizations, (2) to participate in non-competitive University activities which are open to the general public, or (3) to hold office in a student organization, a student must be a bona-fide student, and meet the requirements of *satisfactory scholastic standing*.

Bona-fide students are:

- (i) students doing full undergraduate work in the University; or
- (ii) graduate students in attendance carrying a full year's work leading to a degree; or

- (iii) students in affiliated colleges carrying a full year's work leading to a diploma or certificate and taking two full courses of University grade in the University.

Bona-fide students may assume that they are scholastically eligible to participate in the activities listed above unless they are informed otherwise by their Deans or Directors. However, men students desiring to participate in events sponsored by the Western Canadian Intercollegiate Athletic Union, must meet the requirements of scholastic standing laid down by that body.

If a student feels at any time that there are circumstances which might have a bearing on his eligibility to participate, he should consult the Dean of his faculty or the Director of his school as soon as possible and explain these circumstances to him.

APPEALS

A student may present an appeal to the respective Council or Administrative Committee concerned through the Dean or Director.

The General Faculty Council has power to hear and determine appeals from the decisions of the Faculty Council upon application by members or by students and others. Such appeals should be addressed to the Registrar, Secretary of the General Faculty Council.

(b) ATTENDANCE AND CONDUCT

ATTENDANCE

- (a) Regular attendance is expected of students in all courses. Students having an inordinate number of unexcused absences from a course may be refused permission to take the final examination.
- (b) Absences are counted from the first day of the session.
- (c) Students who are late for any lecture or laboratory period will be marked absent unless at the end of the period in question they account satisfactorily to the instructor for their lateness.
- (d) Illness and Physical Disability:
 - (1) Students who are absent from two or more consecutive classes in a course because of illness or disability should report to their instructor upon their return to class. If the instructor requires an absence card, it will be the student's responsibility to have one certified by the Infirmary Physician, and to show it to the instructor before depositing it with the Registrar.
 - (2) Absence from term or final examinations—see paragraph (d) top page 26 and paragraph (b) lower page 26.
- (e) Students who are absent from two or more consecutive classes in a course for some valid reason other than illness should report to their instructor upon their return to class. If the instructor requires an absence card, it will be the student's responsibility to have one signed by the Registrar and to show it to the instructor before depositing it with the Registrar.

- (f) Students desiring leave of absence in any given course must communicate their desire to the Registrar. At the end of such a period of absence, the student must present an absence card for the Registrar's signature.

STUDENT CONDUCT AND DISCIPLINE

When a student enters the University, it is expected that he will apply himself to his studies and conduct himself with propriety. Should a student fail to live up to these expectations, the University reserves the right to take such action as, in its opinion, his case warrants. The penalty of expulsion may be applied.

1—The Deans' Council

Although the Senate exercises jurisdiction in a general way over the conduct of students in attendance at the University, the actual day-by-day administration of student discipline has since 1942 been vested in the Deans' Council, and in those persons and bodies to which its authority has been delegated.

2—The Provost and the Dean of Women

The Provost of the University exercises general supervision over the conduct and welfare of the students. He is Secretary of the Deans' Council and of the Committee on Student Affairs, and Chairman of the General Residence Committee. He works in cooperation with the Dean of Women.

3—The Disciplinary Committee of the Students' Union

The Students' Union is concerned with all matters of discipline and is, as a matter of policy, given the first opportunity to deal with any disciplinary issue that may arise. For this purpose it has set up a Disciplinary Committee.

4—The Wardens and the General Residence Committee

The Residence Wardens are staff members appointed by the Board of Governors. In conjunction with the General Residence Committee, they are responsible for student discipline within the residences.

SPECIAL REGULATIONS OF THE BOARD OF GOVERNORS

(a) All interference on the part of any student with the personal liberty of another or any conduct on the part of any student subjecting another student to any indignity or personal violence is forbidden. No initiation ceremony involving physical violence, hazing, personal indignity, interference with personal liberty or destruction of property may be held within the buildings or on the grounds of the University, such student activities being expressly forbidden under penalty of suspension or expulsion.

The University authorities will not be responsible for any accident or illness of any kind occasioned to any student while engaged in or being subjected to any such activities.

(b) In the case of dishonesty or any serious indiscipline in the classroom, the instructor has the authority of suspension from the classroom. Further action is to be taken by a committee consisting of the Provost and the department and Dean concerned.

(c) The use of, bringing or having of liquor on University premises, including residences, is strictly prohibited.

(d) The Board of Governors considers the raiding or unlawful entry of residences as a very grave offence. Any such occurrence will be reported to and dealt with by the Board.

VI—STUDENT SERVICES AND STUDENT AFFAIRS

STUDENT COUNSELLING SERVICES

This is a counselling service staffed by professionally trained counsellors for university students and for prospective students. There is an office in Edmonton and in Calgary and the counselling services in both centers operate throughout the year.

Prospective students write or come in regarding choice of university program and vocational planning. Appointments should be arranged in the second term of the Grade XII year or during the following summer. The bulletin "Information for Prospective University Students" has been prepared to answer questions commonly asked.

University students make use of the service regarding choice of program, vocational planning, personal matters and progress with studies.

- (1) *Testing Service.* A few basic tests are given to all incoming freshmen at the time of registration. Vocational inventories and other individual tests are given when it appears that these may be helpful to the student.
- (2) *Study Skills.* A series of study tutorials is arranged each session for new students.
- (3) *Vocational Planning.* Students often consult about future plans, including further possible professional training.
- (4) *Student Housing Service.* See Calendar page 36 for Living Accommodation.
- (5) *Financial Aid.* The counsellor in Calgary acts for the Administrator of Student Awards in all matters concerning financial aid.
- (6) *Personal Problems.* Occasionally a student's performance suffers because of worry, restlessness, inability to concentrate, or preoccupation with personal problems. In these circumstances, the student should consult a counsellor as soon as possible.
- (7) *Change of Faculty.* Students contemplating a change of School or Faculty are advised to consult a counsellor. This should be done well before the opening of the session.
- (8) *Withdrawal from the University.* Any student who for any reason is contemplating withdrawal from the University should immediately arrange an interview with a counsellor.
- (9) *Unsatisfactory Standing.* Re-counselling is advised and, in the case of extremely poor standing, is required. See page 31.

Address enquiries to Student Counselling Services, University of Alberta, Edmonton (or Calgary). The Edmonton office is in the Administration Building on the Campus; telephone GE 9-4951, Extension 412 or 229.

STUDENT MEDICAL SERVICES

A Student Medical Services Fund is maintained by an annual appropriation from fee revenue. This trust fund is administered by a committee consisting of a Chairman, the Medical Director, the Infirmary Physician, the Bursar, the Director of Student Counselling Services, the President of the Students' Union, the President of the Wauneita Society, the Treasurer of the Students' Union and the Chairman of one House Committee. All undergraduate students are entitled to medical treatment under such conditions and provisions as have been outlined in specially printed pamphlets, copies of which will be furnished to students on payment of fees. Every student should read these instructions carefully.

PHYSICAL EDUCATION SERVICE PROGRAM

It is the aim of the School of Physical Education to make a major contribution toward the physical, mental and social life of each student through instruction and participation in physical and recreational activities.

All first-year students are required to take two hours of physical education per week. Those excepted from this regulation are:

1. students declared physically unfit by the University Medical Services;
2. students over 25 years of age.

Individual lockers, locks, towels and shower facilities are available for all students. The program is conducted in the University Gymnasium.

The prescribed gymnasium costume is:

Women:

Shorts (dark green)
T-shirt (white)
Socks (white)
Running shoes (white)

Men:

Shorts
T-shirt
Running shoes

Shorts and T-shirts may be purchased at the University Bookstore.

STUDENT EMPLOYMENT SERVICE

The National Employment Service maintains an office in the Administration building. The University Committee on Student Employment cooperates with this service in securing employment for both undergraduates and graduates.

RESIDENCES

Residential accommodation is provided in the University Residence Halls for approximately 450 students. Applications for reservations, accompanied by ten dollars (\$10.00), should be forwarded to the Bursar. Reservations will not be held after the respective dates of registration.

Students who make application for and are assigned rooms must understand that they are in fact agreeing to remain in residence for the full academic session.

Each student to whom a room is assigned will be required to deposit one dollar (\$1.00) for keys.

Charges for Room and Board will be made at the following rates:

	Single Room	Double Room
Monthly charge	\$75.00	\$65.00
Daily rate (used for fractional periods)	2.50	2.35

Students leaving during the Christmas holidays will receive a rebate of 90c per day for board for each day's absence from December 23 to January 2, inclusive. This amount will be credited to the respective room and board accounts.

Payment of room and board charges must be made on or before the first day of each month.

A limited amount of accommodation is available in St. Stephen's College and St. Joseph's College. Details can be secured by writing directly to the colleges.

STUDENT HOUSING SERVICE

While the University authorities cannot accept responsibility for finding suitable accommodation for students, they are anxious to give whatever assistance they can in the matter. A special service in this regard has been provided. *Student Housing Service* prepares lists of rooms prior to the summer session and to the regular session and these lists may be consulted by students looking for such accommodation. The service operates as a part of the Student Counselling Services and is located in the Administration Building. The housing phone is GE 9-4951, Extension 385. In Calgary, lists of rooms are available in the General Office.

The University Cafeteria provides a full meal and restaurant service for the convenience of students, and in addition the Snack Bar in the Students' Union Building is open during hours adapted to their needs.

STUDENT AWARDS

The Administrator is Mr. R. B. Wishart. His office is on the second floor of the Administration Building, and his telephone number is GE 9-4951, Extension 495. He administers not only University awards but also those made under the Students Assistance Act. For further information, see the Awards Section of the Calendar.

THE BOOKSTORE

For the convenience of students, the University maintains a bookstore where textbooks prescribed in the university calendar may be obtained. Stationery, drawing materials, gymnasium wear and other accessories are also available at special student prices.

RAILWAY RATES

Students attending University are entitled to reduced fares and should apply to their local ticket agents for special student tickets. These tickets must be countersigned by the Bursar for the return journey at the end of the session.

STUDENT GOVERNMENT

A long-standing duty and prerogative of the University Senate has been to make provision for student self-government on the campus.

To this end it established a Committee on Student Affairs in 1911. A similar committee was formed for the Calgary Branch in 1950.

The Committee on Student Affairs ratifies the Constitution of the Students' Union and receives twice yearly reports on the Union's activities. All registered students become members of the Students' Union on payment of their general fees.

Besides authorizing the activities of the Students' Union, the Committee on Student Affairs interests itself in student extracurricular life in general.

The students in residence elect members to a General Residence Committee with subcommittees for matters relating solely to the men and women students. Originally under the direct control of the Board of Governors, the General Residence Committee has since 1942 been a standing committee appointed by the Deans' Council.

THE INTRAMURAL SPORTS PROGRAM

The School of Physical Education, with the cooperation of the University Athletic Board, organizes and administers a comprehensive program of intramural sports. A primary purpose of the program is to encourage sportsmanship and friendly relations among the students of the University through athletic competition. Individual and group competitive sports for men and women include tennis, golf, track and field, cross-country running, basketball, hockey, volleyball, touch football, table tennis, swimming and figure skating. Facilities include gymnasiums, swimming pool, ice arena and outdoor playing fields.

INTERCOLLEGIATE ATHLETICS

As a member of the Western Canada Intercollegiate Athletic Union, the University provides opportunities for men and women to compete in intercollegiate sports. Included in the activities for men are golf, tennis, cross-country, badminton, volleyball, basketball, football, hockey, wrestling, swimming and curling. Women compete in tennis, golf and badminton and hold two sports weekends with member universities. Basketball and curling are played during one weekend and volleyball, swimming and figure skating during the other.

UNIVERSITY NAVAL TRAINING DIVISION

Object

University Naval Training Divisions have been instituted by the Royal Canadian Navy in Universities across Canada to provide an opportunity for suitable young men to perform officers' training while they are undergraduates and thereby prepare themselves for promotion to commissioned rank in the Regular Force or the Reserve on graduation. On joining the U.N.T.D., a student becomes a member of the Royal Canadian Navy (Reserve).

Training

The U.N.T.D. course is of three years duration, each year of which is governed by a different syllabus. First year students are entered in the U.N.T.D. as Probationary Cadets and are promoted to Officer Cadet on passing a selection board during the first year of the course. Sixty-four hours of training during each of the three academic years, and two summer training periods of at least 14

weeks' duration each are required in order to qualify for a commission. Summer training takes place at the east and west coasts and afloat in training ships.

Depending on what degree course a student is registered in, he would become an Officer Cadet in one of the following branches of the naval service: Executive, Engineering, Electrical, Ordnance, Constructor, Instructor, Medical, Supply or Medical Technical Branch.

Pay

U.N.T.D. Officer Cadets are paid \$210 per month, all found, for all summer training and up to 16 days' pay for winter training. Uniforms are supplied, as is transportation and medical care during the summer.

Commissions in the Royal Canadian Navy

Freshmen starting University may apply for the R.C.N. Regular Force and Officer Cadets may transfer from the U.N.T.D. to the R.C.N. Regular Force and train for a permanent commission. Application can be made at any time during their University training, subject to the following conditions:

- (a) Under 21 years of age on the first of January of the year of entry to University.
- (b) Have reached an academic standing of Senior Matriculation or its equivalent.
- (c) Have successfully completed University courses and U.N.T.D. training to date of application (the latter being applicable only in transfer from the U.N.T.D.).
- (d) Are taking courses required for the branch for which application is made. (Two years of mathematics through differential and integral calculus; and two years of physics is required.)

Terms of Service

- (a) Free tuition, books, instruments, uniforms.
- (b) Free rations and quarters, or allowance in lieu. Medical and dental care.
- (c) Obligation to remain in good standing academically, to carry out naval training successfully and to show promise of developing into a satisfactory officer.
- (d) Obligation to serve in the Regular Force for at least three years after leaving University.

For further information, consult the Staff Officer, HMCS Nonsuch or Armed Forces Liaison Officer, University Gymnasium.

CANADIAN OFFICERS' TRAINING CORPS (University of Alberta Contingent)

Program

The C.O.T.C. trains undergraduates for commissions in the Canadian Army (Regular or Militia). There are two phases of training: the *theoretical*, which is taken during the academic year and consists of lectures on organization and tactics, administration, leadership, military history and military law; and the *practical*, which is taken during the summer vacation with schools and units of the Canadian Army. The theoretical work is covered by two or three hours of

lectures one night per week during the winter for a total of 64 hours. The practical work is done during a summer training period of twelve to twenty-two weeks duration.

Qualification

A student qualifies as a Second Lieutenant when he has taken two theoretical and two practical phases of training. By taking a third theoretical and a third practical phase he may qualify as a Lieutenant (Regular or Militia) and be promoted to that rank when he has obtained a degree.

Eligibility

Applications for training may be made by male undergraduates who are:

1. British subjects,
2. physically fit and between the ages of 17 and that which will permit him to complete the minimum qualification of 2nd Lieutenant before reaching the age limit shown below,
3. following a course of studies leading to a recognized degree.

Since C.O.T.C. training is related to the student's university course as closely as possible, the following limitations apply to entrance into corps:

	Age Limit
Royal Canadian Armoured Corps Any faculty	30
Royal Canadian Artillery Any faculty	30
Royal Canadian Engineers Engineering	35
Royal Canadian Corps of Signals Electrical Engineering, Eng. Physics	35
Royal Canadian Infantry Corps Any faculty	30
Royal Canadian Army Service Corps Any faculty: Commerce, Agriculture, Veterinary Science, or Mechan- ical, Civil or Chemical Engineering being preferred	30
Royal Canadian Electrical and Mechanical Engineers Engineering	35
Royal Canadian Army Medical Corps Medicine or Pharmacy	35
Royal Canadian Dental Corps Dentistry	35
Royal Canadian Ordnance Corps Any faculty: Arts and Science and Commerce preferred	35
Royal Canadian Army Pay Corps Any faculty: Commerce or Economics preferred	35
Canadian Provost Corps Any faculty; Law preferred	35
Canadian Intelligence Corps Any faculty	30-35
Royal Canadian Army Chaplain Corps Pre-Theology	35

Application

Candidates will apply to the C.O.T.C. Orderly Room. Subsequently they will be interviewed by the Officer Selection Board. Suitable candidates will begin their theoretical training as soon as accepted.

Status and Pay

Successful candidates are appointed Officer Cadets with the status and privileges of Second Lieutenants. While at corps schools, they receive pay of

that rank, i.e. \$210 per month in addition to rations and quarters. By attending the 64 hours of lectures in each theoretical phase, the officer cadet can earn 16 days' pay (approximately \$100).

ROYAL CANADIAN AIR FORCE (University Squadron)

Object

R.C.A.F. University Squadrons were formed at the major Canadian universities to promote a strong liaison and mutual understanding between the universities and the Royal Canadian Air Force. These squadrons will provide a flow of trained university graduates into the R.C.A.F. Regular or Reserve as commissioned officers.

Qualifications

Applicants for the University Squadron must possess the following qualifications:

- (a) Canadian or British subject, male or female.
- (b) Unmarried, if applying for aircrew.
- (c) Age—17 to 25 years for aircrew: 17 (18 for women applicants) to 26 years for non-flying branches.
- (d) Medical category as established by the R.C.A.F.

Application

Application forms may be obtained from the Commanding Officer. The selection of Flight Cadets for the University Squadron will commence at the beginning of the fall term.

Training Program

The three-year training program consists of formal training and supervised employment at R.C.A.F. schools and stations for a minimum of sixteen weeks and a maximum of twenty-two weeks each summer. In addition, Flight Cadet and Pilot Officer members of the University Squadron attend weekly lectures and parades during each of the three winter terms preceding summer training.

Officer Development

During the first summer of training, all Flight Cadets undergo an initial Basic Officer Development Course at the R.C.A.F. Reserve Officers' School, in which they receive instruction in the duties, requirements and responsibilities of junior officers. This training involves the military, executive and developmental phases, which, besides the military and executive aspects of the R.C.A.F., are designed to train students as leaders who are well informed in world affairs and the role of Canada's defence forces in the current political and military situation, who are able to express themselves clearly and effectively, and who will make good officers and good citizens.

Formal Training

Aircrew trainees, most technical list and some non-technical U.R.T.P. Flight Cadets, on completion of the Basic Officer Development Course, proceed to R.C.A.F. schools to commence formal Air Force courses in their designated branches.

Aircrew

R.O.T.P. Cadets, only, may be enlisted in aircrew branches.

Candidates for flying branches must be over 24 years of age on the date of application, must meet aircrew medical standards, and must not be married while undergoing flying training.

Winter Training Program

During the academic year, members of the University Squadron attend weekly lectures on orientation, executive and officer development subjects. The first winter's lectures are preparatory to entry into U.R.T.P. and the Air Force. Lectures given during the second and third winters extend and amplify knowledge acquired during the officer development phases of summer training. Emphasis is placed on the integration of social and military sciences and the determination of their application to current affairs.

Officer Employment

Flight Cadets in those branches for which formal courses are not given during the summer months are employed in an "understudy" capacity at various units. This employment, which commences at the Officer Development Course, provides the students with experience in Air Force procedure and operation and allows them to observe the application of what they are taught at the Reserve Officers' School.

Status

Accepted university students are appointed in the R.C.A.F. Primary Reserve (special list, University Branch) in the rank of Flight Cadet.

Flight Cadets have the status of commissioned officers for all purposes and wear the rank of Pilot officer.

After successful completion of three summers of training and subsequent graduation from university, Pilot Officers may be appointed to the R.C.A.F. Regular, Auxiliary or Supplementary Reserve in the rank of Flying Officer.

Pay

Flight Cadets are paid at the rates prevailing for pilot officer. Net earnings for each summer employed vary between \$750 and \$1,200, depending on the length of duty. Aircrew trainees receive an additional \$75 per month while undergoing aircrew training. Winter pay is according to attendance at lectures and parades and amounts to approximately \$100 if all sessions are attended.

Medical and dental care is provided during summer employment and first-class rail transportation is issued on posting. Flight Cadets are issued with full kit of uniform for summer and winter wear upon acceptance.

For detailed information concerning Reserve University Squadron and R.C.A.F. (Regular), consult the Commanding Officer of the Squadron.

FINANCIAL ASSISTANCE

For the Regular Officer Training Plan and the Medical and Dental Corps Subsidization Plans, students are referred to the chapter on Academic Awards and Financial Assistance.

OFFICER TRAINING UNIT

Agencies in the United States and Canada are invited to submit applications for the Officer Training Unit. The unit is a part of the Officer Training School and is located at the Officer Training School, Fort Belvoir, Colorado.

Candidates for Officer Training must be over 21 years of age on the date of application and must possess a bachelors degree from an accredited college or university. Candidates must also possess a minimum of 100 hours of college credit in the field of study.

Officer Training is a two-year program. The first year is spent in the Officer Training School and the second year is spent in the Officer Training Unit. The first year is spent in the Officer Training School and the second year is spent in the Officer Training Unit. The first year is spent in the Officer Training School and the second year is spent in the Officer Training Unit. The first year is spent in the Officer Training School and the second year is spent in the Officer Training Unit.

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Officer Training is a two-year program. The first year is spent in the Officer Training School and the second year is spent in the Officer Training Unit. The first year is spent in the Officer Training School and the second year is spent in the Officer Training Unit.

(1) Program of Education in the Faculty of Education

The Faculty of Education is organized for the professional training of teachers for elementary, junior high and senior high school grades, and for graduate study and research in the field of education. The program is designed for the four-year baccalaureate degree in education. All students are required to complete the following minimum program of study:

The first two years of the program are devoted to the study of liberal arts and sciences. The last two years are devoted to the study of education. The program is designed to provide a broad background in liberal arts and sciences, and to provide a specialized training in education. The program is designed to provide a broad background in liberal arts and sciences, and to provide a specialized training in education. The program is designed to provide a broad background in liberal arts and sciences, and to provide a specialized training in education.

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PART II

The Faculty of Education

The Faculty of Education is organized for the professional training of teachers for elementary, junior high and senior high school grades, and for graduate study and research in the field of education. The program is designed for the four-year baccalaureate degree in education. All students are required to complete the following minimum program of study:

(2) Program of Education in the Faculty of Education

The program is designed to provide a broad background in liberal arts and sciences, and to provide a specialized training in education. The program is designed to provide a broad background in liberal arts and sciences, and to provide a specialized training in education. The program is designed to provide a broad background in liberal arts and sciences, and to provide a specialized training in education.

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VII—INTRODUCTION

The Faculty of Education is organized for the professional training of teachers for elementary, junior high and senior high school grades, and for graduate study and research in the field of Education. All programs, except for the first three years of the Bachelor of Education in Industrial Arts program, are offered in Edmonton. The first two years of non-specialized programs, together with the first three years in Industrial Arts, are offered in Calgary.

In this calendar appear the courses of study administered by the Faculty of Education together with regulations governing these programs. Many general regulations applicable to all faculties of the University have been omitted from this calendar. These are to be found in the General Section of the University calendar which may be obtained from the Registrar's office on request.

The calendar also contains requirements for certificates issued by the Provincial Department of Education on the recommendation of the Faculty of Education. Such certificates are granted under the authority of the Minister of Education.

Address inquiries to: Dean, Faculty of Education, University of Alberta.

(1) Board of Teacher Education and Certification

A Board of Teacher Education and Certification representing jointly the Department of Education, the University of Alberta, the Alberta Teachers' Association and the Alberta School Trustees' Association serves as a liaison body for the groups it represents. This board is purely an advisory body. It is authorized to make recommendations to the Minister of Education and to the President of the University respecting the programs of instruction, the estimates of expenditures on these programs, appointments to the staff of the Faculty of Education, and regulations governing the certification of teachers.

(2) Programs (General Statement)

Entrance or matriculation requirements are specified in Section VIII.

The training programs are detailed in Section XIV. There are two general programs, one for elementary school teaching and one for secondary school teaching. The latter provides for considerable specialization either in the usual academic subjects, such as English, French and mathematics, or in the special subjects, such as household economics, industrial arts, physical education, fine arts, and commercial subjects.

In addition there is a highly specialized program in industrial arts.

All programs provide for certification by the Alberta Department of Education on the completion of two years of training, higher certification at the end of the third year, and the Bachelor of Education degree at the end of the fourth year.

In addition to its degree programs, the Faculty of Education offers a special one-year program qualifying candidates for a Junior E certificate. For details consult subsequent pages.

To suitable candidates the faculty offers graduate courses leading to the M.Ed., Ed.D. and Ph.D. degrees.

(3) Programs at Edmonton and Calgary

All programs offered by the Faculty of Education, except for the first three years' work prescribed for the B.Ed. in Industrial Arts, are available in Edmonton.

The following programs are available in Calgary:

- (a) The Junior E program.
- (b) The first two years of the B.Ed. program for elementary school teachers.
- (c) The first three years of the B.Ed. program for secondary school teachers.
- (d) The first three years of the B.Ed. in Industrial Arts program.

Students in Calgary wishing to specialize in fine arts, physical education, and in some of the sciences not taught in Calgary may find it necessary to rearrange their study programs slightly to provide for later entry into these special fields.

VIII—ADMISSION

(1) Matriculation Requirements

Matriculants from the high schools of Alberta seeking admission to the Faculty of Education in September, 1960, must possess:

- (a) a High School Graduation Diploma with
- (b) "B" or higher standing in the required courses of Grade XII as set forth below, and
- (c) an average in these courses of at least 60%:
 - 1. English 30,
 - 2. Social Studies 30,
 - 3, 4, 5, 6. Four of: French 30, German 30, Latin 30, Chemistry 30, Physics 30, Biology 32, Mathematics 30, Music 30.

NOTES:

- 1. Candidates intending to specialize in household economics should offer Chemistry 30.
- 2. Adult applicants (age 20 or over) will not be required to present a high school diploma.
- 3. Candidates intending to major in mathematics should present Mathematics 31 in addition to Mathematics 30
- 4. These general regulations notwithstanding, the University may, at its discretion, refuse admission to any applicant.

(2) Junior E

For admission to the Junior E program (one year): a high school diploma and standing (B or higher) in English 30, Social Studies 30, and *three* additional Grade XII examination subjects, with an average of 60% on the five subjects.

NOTES:

- 1. Adult applicants (age 20 or over) may be excused the high school diploma but must present five (5) Grade XII examination subjects, including English

and Social Studies, with "B" or higher standing in each and an average on the five of not less than 60%.

2. Students completing the Junior E program successfully receive the Interim Junior E certificate issued by the Alberta Department of Education. Before this certificate may be made permanent, the holder must provide evidence to the Department of Education through the Faculty of Education that he possesses matriculation standing that will admit him to a Bachelor of Education program, must teach successfully in Alberta schools for two years, and must be recommended by a Superintendent or Inspector of Schools.
3. A student who holds the Interim Junior E Certificate may not proceed on a Bachelor of Education program until he has provided evidence that he possesses matriculation standing that will admit him to a Bachelor of Education program.
4. These general regulations notwithstanding, the University may, at its discretion, refuse admission to any applicant.

(3) Admission with Advanced Standing or Advanced Credits

Applicants presenting transcripts from normal schools, teachers' colleges, or universities other than the University of Alberta, will have such transcripts evaluated by the *Committee on Admissions*. The transcripts should be submitted to the Dean of the Faculty of Education, University of Alberta, Edmonton. A visé fee of five dollars is charged for evaluating documents issued in Canada and ten dollars for evaluating documents issued in other countries.

(4) Extramural Credits

Credit to a maximum of four *junior* courses taken extramurally from another recognized university will be allowed, although the actual number will vary with the program.

(5) Application for Admission

Application forms may be obtained from the office of the Dean of the Faculty of Education or from the Registrar of the University. Each student applying for the first time for admission to the Faculty of Education should write the Examinations Branch, Department of Education, Edmonton, requesting that two transcripts of his high school credits be forwarded to the Dean, Faculty of Education. When writing for transcripts he should give his name in full, the year in which his last departmental examinations were written and the grade level of these examinations. He should enclose the fee of \$1.50 charged for this service.

Students from outside the province will write to the Registrar of the Provincial Department of Education in the province where senior matriculation was obtained.

Credits obtained in the June examinations of 1960 should be submitted as soon as results are available.

No definite and final ruling concerning registration can be obtained until all certificates and transcripts of standing have been reviewed by the Committee on Admissions. The Faculty of Education gladly consults with and advises students regarding programs of study, but all decisions are *unofficial* and *tentative* until documents have been received and evaluated by the Committee on Admissions.

IX—REGISTRATION

(1) Registration and Pre-Registration Procedures

Applicants for admission must—

- (a) furnish evidence by means of transcripts of credit from a Department of Education or from accredited universities that they meet matriculation requirements;
- (b) complete, in duplicate, *Application for Admission* forms obtainable from the Faculty of Education or from the Registrar;
- (c) indicate whether they expect to attend in Edmonton or Calgary.

(2) Registration Details

- (a) Change of Registration:

The accuracy of his registration forms is the responsibility of each student. Changes in registration may be allowed on application to the Faculty of Education office within one month of date of registration. Thereafter written application for change must be made to the Dean of the Faculty and will be allowed only for the most impressive reasons.

- (b) Transfer from One Program to Another:

In general, a student may transfer from one training program to another at any point in the four-year program, provided he obtains credit in subjects of the new program which were not included in the former one.

- (c) Registration in Physical Education:

General University regulations require all first-year students to obtain credit in physical education. Students in the Faculty of Education will register in Physical Education 200, 201 or 203. Though students excused by a medical officer need not participate in physical exercise, they are held responsible for all theoretical and instructional phases of the courses.

- (d) Who May Register?

No person other than a British subject or a Canadian citizen is eligible to receive a permanent Alberta teacher's certificate. Recent amendments to The School Act authorize temporary Alberta certification for certain candidates who, otherwise qualified as teachers, file acceptable evidence that they intend to qualify for Canadian citizenship.

"Statement re Age and Citizenship" forms must be completed by each applicant for an Alberta teacher's certificate.

- (e) Limitation on Registration:

Except by special permission of the Council of the Faculty, no student under its jurisdiction may offer for credit in any period of twelve months from July 1st to June 30 more than the number of courses included in a year of the regular program. Except by special permission of the Council of the Faculty, no student may take in the Summer Session more than two courses.

X—GENERAL INFORMATION

(1) Education Undergraduate Society

The Education Undergraduate Society (E.U.S.) is a professional organization and a branch of the Alberta Teachers' Association (A.T.A.). It is expected that all Education students will:

- (a) join the Society,
- (b) participate in its social activities, and
- (c) actively promote its professional interests.

(2) Transfer from One Program to Another

In general, a student may transfer from one training program to another at any point in the four-year program, provided he obtains credit in subjects of the program which were not included in the former one.

(3) Examinations

Finals

Final examinations are held at the end of each winter, summer or special session. The pass mark in all subjects of both degree and certification programs is 50%.

Supplementals

- (a) In the case of a student proceeding to the B.Ed. degree by summer session study alone, special permission may be granted for the writing of supplemental examinations even though an applicant has not completed all courses prescribed in his degree program.
- (b) There is no supplemental privilege in student teaching.
- (c) Teachers who, during the regular Supplemental Examination period, are in teaching positions may, with approval, write the supplemental examination at the end of the Summer Session. If an examination in the required subject is on the regular schedule, the fee for the supplemental is \$10.00. If a special examination paper must be prepared, the fee is \$15.00.
- (d) Students registered in the Junior E program who fail one or more final examinations will write supplementals in August.

(4) Extramural Study

For conditions under which undergraduates may receive credit for extramural study, see Section VIII (4).

The privilege of completing certain courses extramurally is sometimes extended to M.Ed. candidates and also to B.Ed. candidates who hold a B.A., B.Sc., or B.Com. degree. No courses in Education will be offered extramurally in 1960-61.

Some departments in the Faculty of Arts and Science may consent to extramural registration in certain courses.

(5) Regulations Governing Certification

For detailed regulations governing certification of teachers, students should write the Registrar, Department of Education, Administration Building, Edmonton. A pamphlet is available on request.

(6) Advance Credits for Certificated Teachers

One year's credit in the four-year program is given for one year of basic teacher education.

A maximum of three course credits will be allowed in the four-year general B.Ed. program for courses completed in Department of Education summer school sessions, 1935-43 inclusive, one course credit being allowed for every 75 hours of certified attendance. For teachers discharged from the armed forces a date earlier than 1935 will be taken to make full allowance for the applicant's period of service.

Few advance credits can be given certificated teachers in the B.Ed. in Industrial Arts program. One or two credits may be allowed for normal school or other basic training. Little credit can be given for courses completed in the 1935-43 summer sessions unless the courses are in the specialized field of the B.Ed. program for which they are being evaluated.

(7) Special Second-Year Program for Certificated Teachers

Certificated teachers will for their second year be entered upon a special program consisting almost exclusively of Arts and Science courses. For details, see Section XIV.

(8) Evening Credit Program

Students contemplating registration in Evening Credit courses must contact Dr. J. W. Gilles, The Director, well in advance of September 10, the last day for registration in the Evening Credit Program.

XI—CERTIFICATION*

Alberta teaching certificates are issued only by the Department of Education, Government of Alberta. All inquiries concerning certification should be addressed to the Registrar, Department of Education, Edmonton.

The certificates mentioned in the following pages are authorized under Order-in-Council 728 (1954) of the Government of Alberta.

PART A (General Certificates)

Types of Certificates

1. Except as otherwise provided herein, the certificates issued hereafter by the Minister of Education shall be of the following classes:

Junior E Certificate,
Standard E Certificate,
Standard S Certificate,
Professional Certificate.

Grade Ranges of Certificates

2. The range of school grades throughout which each of the teachers' certificates mentioned above is valid license to teach is shown in the following schedule:

*Junior and Senior Diplomas are no longer issued.

<i>Certificates</i>	<i>Grades</i>
Junior E	I-IX
Standard E	I-IX
Standard S	IV-XI
Professional	I-XII

The Junior E Certificate

3. (a) A person who has completed satisfactorily an approved first-year program of the University of Alberta prescribed for teachers of the elementary and junior high school grades may be granted an Interim Junior E Certificate valid for three years.
- (b) Before the Interim Junior E Certificate may be made permanent, the holder:
 - (i) must provide evidence to the Department of Education through the Faculty of Education that he possesses matriculation standing that will admit him to a Bachelor of Education program,
 - (ii) must teach successfully in Alberta schools for two years, and
 - (iii) must be recommended by a Superintendent or Inspector of Schools.

The Standard E Certificate

4. (a) A person who has completed satisfactorily the first two years of the B.Ed. program of the University of Alberta prescribed for teachers of elementary and junior high school grades may be granted an Interim Standard E Certificate, valid for three years.
- (b) Before the Interim Standard E Certificate may be made permanent, the holder:
 - (i) must teach successfully in Alberta schools for two years, and
 - (ii) must be recommended by a Superintendent or Inspector of Schools.

The Standard S Certificate

5. (a) A person who has completed satisfactorily the first two years of the B.Ed. program of the University of Alberta prescribed for teachers of the high school grades may be granted an Interim Standard S Certificate, valid for three years.
- (b) The interim Standard S Certificate may be made permanent as in 4(b) above.
- (c) Graduates from the Junior E program, or from a regular Normal School one-year program, will enter a six-course program for the second year of the elementary route, or a seven-course program for the second year of the secondary route. (see page 60.)

The Professional Certificate

6. (a) A person who has completed satisfactorily three years of the B.Ed. program of the University of Alberta prescribed for teachers of the elementary and junior high school grades or of the high school grades may be granted an Interim Professional Certificate.
- (b) The Interim Professional Certificate may be made permanent as in 4(b) above.

The Certification of University Graduates

7. (a) The holder of a bachelor's degree acceptable to the Minister may be granted an Interim Standard E or an Interim Standard S Certificate upon completion of one year's approved work in the Faculty of Education and may be granted an Interim Professional Certificate upon completion of two further approved courses, being one summer session's work or its equivalent, and the holder of an acceptable honors degree or a master's degree may be granted an Interim Professional Certificate upon completion of one year's approved work at the Faculty of Education.
- (b) Such Interim Certificates may be made permanent as in 4(b) above.

Teachers with Permanent Certification

8. The requirements for a permanent certificate may be waived in the case of a teacher qualifying for any certificate, provided he previously held an Alberta permanent certificate of another class.

PART B (Existing Certificates)

Exchange of Certificates

9. The holder of a certificate or license issued under former regulations may, upon application to the Minister, exchange it for a new certificate as indicated in the following table:

Table of Certificate Ratings

<i>Certificates named in O.C. No. 70-50 or in former Regulations</i>	<i>Equivalent Certificates</i>
Temporary License	Interim Junior E
Junior Elementary and Intermediate School Certificate	Interim Junior E
Second-Class Certificate (see section 10 below)	Junior E
Elementary and Intermediate School Certificate	Junior E (with teaching privileges extended to include Gr. X)
Senior Elementary and Intermediate School Certificate	Standard E
Junior Certificate for the High School	Standard S
First-Class Certificate	Standard E and Standard S (with teaching privileges extended to include Gr. XII)
High School Certificate	Professional
Academic Certificate	Professional
First-Class Certificate with Bachelor's degree	Professional

Second-Class Certificate

10. The holder of a permanent Second-Class Certificate may be granted a Junior E Certificate upon the completion of B.Ed. matriculation or one approved summer session of work taken either before or after the coming into effect of these regulations and if recommended by a Superintendent or Inspector of Schools. The holder of a Second-Class Certificate, either interim or permanent, shall be entitled to teach grades one to nine inclusive.

General

11. The Minister may, with respect to existing certificates, take such further action as he may deem necessary, provided such action is not inconsistent with these regulations.

PART C (Special Certificates)

This part shall apply to all teachers irrespective of date of commencement of professional training.

Types of Special Certificates

12. The Minister may grant a Special Certificate in one or more of the following subjects of the junior high school or high school program to a teacher who holds a general certificate: Art, Dramatics, Music, Business Education, Industrial Arts, Unit Shop, Home Economics, Physical Education, Guidance, and Administration. The courses for a special certificate shall be prescribed by the Minister and may be taken as part of the regular training for a general certificate or at a summer school in Alberta, or elsewhere, by permission of the Minister.

Grades of Special Certificates

13. Special Certificates may be of three grades: Junior, Senior, and Advanced.

Kindergarten-Primary Certificates

14. The Minister may grant a Kindergarten or Primary or a Kindergarten-Primary Certificate and prescribe the training required for such certificate.

Additional Information on Special Certification

15. With respect to any of the subjects mentioned in 12, above, the Minister may require that a teacher offering instruction in such subject or subjects, in addition to holding a general certificate acceptable for teaching the subject in question, shall also hold a special certificate of a prescribed grade; provided that the holder of a general certificate in grades one to nine, together with suitable special certification, may be authorized by the Minister to offer instruction in the field of his specialty in grades ten and eleven, such authorization to be valid for a year at a time only.

PART D

For further details regarding certification, requests should be directed to the Registrar, Department of Education, Administration Building, Edmonton.

XII—DETAILS OF PROGRAMS

In this section the course requirements of the following programs are described:

- A. Junior Elementary.
- B. Standard Elementary B.Ed. Route.
- C. Standard Secondary B.Ed. Route.
- D. Special Second-Year—Certificated Teachers.
- E. B.Ed. in Industrial Arts.
- F. B.Ed. for holders of approved degrees.
- G. Advanced study in Education.

Special Certificates:

- H. Administration.
- I. Guidance.
- J. Business Education.

A. Junior Elementary (E)

This special one-year course qualifies candidates for the Junior E Certificate described in Section XI. For admission requirements see Section VIII. Courses with even numbers are full courses; those with odd numbers are half courses.

- P.E. 203 (101): Physical Education.
- P.E. 295 (105): Health.
- Ed. 206 (106): Enterprise, Social Studies, and Community Problems.
- Ed. 222 (121): Reading and Language.
- Ed. 227 (127): Mathematics.
- Ed. 229 (129): Science.
- Ed. 238 (138): English.
- Ed. 251 (151): Art.
- Ed. 253 (153): Music.
- Ed. 261 (161): Educational Administration (Grades I to IX), including school law and professional ethics.
- Ed. 276 (176): Introduction to Educational Psychology.
- Ed. 282 (182): Observation and Student Teaching.

NOTE 1: In this program, student teaching may be done in both city and rural schools. In Edmonton, expenses for rural teaching are pooled to equalize costs, and students should budget for an expenditure of approximately \$35.00. In Calgary, with a shorter period of rural teaching, the cost is about \$20.00.

NOTE 2: Through the instructor in Ed. 251, the students will pay a lab fee of \$3.00 to cover the cost of instructional supplies.

B. Standard Elementary B.Ed. Route

This program is open only to students who have clear matriculation into the Faculty of Education.

Upon completion of the first two years, candidates are eligible for the Interim Standard E Certificate, valid in Grades I to IX; completion of three years earns the Interim Professional Certificate, valid in Grades I to XII; completion of four years, the B.Ed. degree.

First Year

1. Ed. 200: Introduction to Education.
2. P.E. 200: Physical Education.
3. P.E. 295: Health.
4. English 200 or 230.
5. History 210 or 200.
6. Ed. 276: Introduction to Educational Psychology.
7. Science (One of Botany 205, Zoology 222, Geography 201.)*

*With the approval of the Dean and the Associate Dean, Students in the Faculty of Education in Calgary may substitute another science option.

Second Year

1. Ed. 261: Educational Administration.
2. Ed. 382: Student Teaching.
3. Ed. 284: Social Studies.
4. Ed. 286: Mathematics-Science.
5. Ed. 288: Reading and Language.
6. Ed. 252 or 254.
7. English 398, or Art or Music option. (Art 230, Music 200, Ed. 252, Ed. 254).

Third Year

1. Ed. 476: Educational Psychology.
2. Philosophy 240, 260, 352, or 354. (Philosophy 246 or 356 may be offered by Roman Catholic students.)
3. Senior Education option.
4. English 398, or Art or Music option. (Art 230, Music 200, Ed. 252, Ed. 254).
5. Junior or Senior Arts and Science option.

Fourth Year

1. Ed. 492: Philosophy of Education.
2. Senior Arts and Science or Senior Education option.**
3. Senior Arts and Science option.
4. Senior Arts and Science option.
5. Senior Arts and Science option.

General Notes**1. Graduation Requirements:**

- (a) Two course credits in English, one to be English 398; two course credits in science and/or mathematics; two course credits in the social sciences, one to be in Canadian History; and one course credit in each of art and music.
- (b) Of the courses taken for the B.Ed. degree, students must obtain second class standing or better in no fewer than six, of which *four* must be senior courses.

2. Special Certificates:

Students are asked to note the possibility of securing one or more special certificates as outlined in Section XIV. Having met the requirements, students should apply to the Registrar, Department of Education, for the issuance of the certificate.

3. Philosophy and psychology courses are not accepted as options.
4. Each candidate is advised to present a four- or five-course major for graduation.
5. Senior Arts and Science courses are numbered 300 or higher.
6. Physical Science 341 is not acceptable in a program including a course in chemistry, physics, astronomy, or geology.

**A Senior Education option may be chosen in the fourth year only when it is part of one of the recognized majors described below.

7. Home economics courses are not acceptable in this program.
8. Through the instructor in Ed. 252, the student will pay a lab fee of \$3.00 to cover the cost of instructional supplies.

Specialization

Elementary Route Majors

In consultation with staff advisers students may arrange for an elementary route major in one of the following areas:

1. English: English 200 or 230, English 398, one of Ed. 322A, 322B or 338, and two other English courses.
2. Social Science: Geography 201, History 200 or 210, Ed. 306, and two other courses.
3. Science: Geography 201, Ed. 330, and three other courses.
4. Art: Ed. 252 and three other courses.
5. Music: Ed. 254 and three other courses.
6. Primary Education, as prescribed for Primary Certificate, page 92.
7. Intermediate Grade Education: Methods in the second year and two from Ed. 306, 322B, 328, 330, 338 as offered.
8. Opportunity Room Education: Ed. 276, 476 and two from Ed. 310, 324, 370Su, 372, 470Su as offered.

C. Standard Secondary B.Ed. Route

This program is open only to students who have clear matriculation into the Faculty of Education.

Upon completion of the first two years, candidates are eligible for the Interim Standard S Certificate, valid in Grades IV to XI; completion of three years earns the Interim Professional Certificate, valid in Grades I to XII; completion of four years, the B.Ed. degree.

MAJOR AND MINOR FIELDS

Candidates must select (a) a major field of study, and (b) a minor field. Minimum requirements for the B.Ed. degree include *either* five courses on the major and two on the minor, *or* four courses on the major and three on the minor. These courses must be chosen according to the patterns listed below. Junior courses must be so selected as to permit entry to the senior courses required in the last two years.

N.B.—If the major is chosen from groups I to IX the minor may be chosen from any other group. If, however, the major is chosen from groups X to XIV, the minor must be chosen from groups I to IX.

Groups for Majors and Minors

Group	Major	Minor
I. English	1. English 200 or 230	1. English 200 or 230
	2. English 388	2. } any <i>two</i> senior English
	3. } Any <i>three</i> senior	3. } courses
	4. } English courses*	
	5. }	

*A course in North American literature is recommended.

DETAILS OF PROGRAMS

<i>Group</i>	<i>Major</i>	<i>Minor</i>
II. French	1. French 200 2. French 350 or 330 3. French 330 or 350 4. Senior French course 5. Senior French course	1. French 200 2. French 350 3. French 330
III. German	1. German 200 2. German 350 3. German 400 or 450 4. Senior German course 5. Senior German Course	1. German 200 2. German 350 3. German 400 or 450
IV. Latin	1. Latin 200 2. } Two of: Latin 300, 3. } 353, 354, or 355 4. Senior Latin course 5. One of: an additional senior Latin course, or Classics 350 or 351 or Roman History 353	1. Latin 200 2. } Any <i>two</i> senior Latin 3. } courses
V. Other Foreign Languages	<i>Five approved courses</i>	<i>Three approved courses</i>
VI. Social Sciences*	1. History 200 or 210 2. Geography 300 3. } One of the following 4. } sequences: (a) Political Science 200 and 330 (b) Economics 200 and 390 (c) Sociology 320 and one other senior course in sociology (d) Any <i>two</i> approved senior history courses** 5. An approved senior history course**	1. History 200 or 210 2. Geography 300 or Political Science 200 or Economics 200 3. An approved senior history course**

*Geography 201 is recommended as a science option.

**History 200 must be followed by a senior course in Canadian or American history or Political Science 320 or Economics 310; History 210 must be followed by a senior course in European History.

<i>Group</i>	<i>Major</i>	<i>Minor</i>
VII. Mathematics	<ol style="list-style-type: none"> 1. Mathematics 200 or 201 2. Mathematics 270 3. Statistics 255 4. Senior Mathematics course 5. Senior Mathematics course 	<ol style="list-style-type: none"> 1. Mathematics 200 or 201 2. } Two of: Mathematics 270, 3. } 304, Statistics 255
VIII. Biological Sciences	<ol style="list-style-type: none"> 1. Botany 201 or 205 2. Zoology 220 3. One of: Entomology 301, Genetics 451 or 452, Zoology 300 or 350 4. One of : Botany 300, 330, Genetics 451 or 452, Horticulture 341 5. One of: Items 3 or 4 (above) or Zoology 406, 410, 460 	<ol style="list-style-type: none"> 1. Botany 201 or 205 2. Zoology 220 3. Any <i>one</i> of major items 3 or 4
IX. Physical Sciences*	<ol style="list-style-type: none"> 1. Physics 200 or 240 2. Chemistry 230 3. Geography 201 or Geology 201 or any senior course from 4 and 5 below 4. Any <i>one</i> senior course from any of the following: <ol style="list-style-type: none"> (a) Physics 340, 360, 380, 410, Astron. 410 (b) Chemistry 350, 370, 372, 312 (c) Geology 351, 455, Astron. 253 (d) Geography 301, 401, 403 5. Any senior course from the group chosen in 4 above 	<ol style="list-style-type: none"> 1. } Physics 200 and 2. } Chemistry 230 1. } Physics 200 or 240 and 2. } senior Physics course 1. } Chemistry 230 and 2. } senior Chemistry course 3. Any <i>one</i> of major items 3, 4 or 5

*Normally the minor associated with a physical science major should be Mathematics.

DETAILS OF PROGRAMS

<i>Group</i>	<i>Major</i>	<i>Minor</i>
X. Fine Arts*		
<i>Art</i>	1. Art 230 2. Art 240 3. Art 300 4. Art 330 5. Art 400 or Philosophy 350	1. Art 230 2. } <i>Two</i> other Art courses 3. } (except Art 240)
<i>Music</i>	1. Music 200 2. Music 300 3. } <i>Two</i> of: Music 250, 4. } 400, 350 5. Philosophy 350	1. Music 200 2. Music 250 or 300 3. <i>One</i> other Music course
<i>Drama</i>	1. Drama 250 2. Drama 450 3. } <i>Two</i> of: Drama 360, 300, 4. } 400, 350 5. Philosophy 350	1. Drama 250 2. Drama 360 or 350 3. <i>One</i> other Drama course
*Students wishing to cover two Fine Arts fields in their major may do so by completing a minimum of two courses in each field.		
XI. Household Economics	1. Household Economics 202 2. Household Economics 210 3. Household Economics 450* 4. Household Economics 350 5. Household Economics 460	1. Household Economics 202 2. Household Economics 210 3. Household Economics 350* or 450
*The science option must be Chemistry 250 or 350		
XII. Business Education	1. Education 246 or 346 2. Education 248 or 348 3. } <i>Three</i> of: Education 350, 4. } Commercial Law, Business 5. } Administration 200 and 300, Accounting 200 and 300	1. Education 246 or 346 2. Education 248 or 348 3. Any <i>one</i> of major items 3, 4 or 5
XIII. Physical Education	1. Physical Education 209-243 2. Physical Education 324 3. Physical Education 212 4. Physical Education 392 5. Physical Education 442	1. Physical Education 209-243 2. Physical Education 324 3. Physical Education 212 <i>or</i> 1. Physical Education 392 2. Education 310 3. <i>One</i> other course in Physical Education

<i>Group</i>	<i>Major</i>	<i>Minor</i>
XIV. Industrial Arts	<ol style="list-style-type: none"> 1. Education 241A-341A 2. Education 242B 3. Education 242C 4. Education 242D 5. One of: Education 242F, 342B, 342C, 342D; or Art 240, 400, Philosophy 350 	<ol style="list-style-type: none"> 1. } Three of: Education 2. } 241A-341A, 242B, 3. } 242C, 242D

SECONDARY ROUTE PROGRAM

First Year

1. Ed. 201: Introduction to Education.
2. P.E. 201: Physical Education.
3. Sociology 202*
4. English 200 or 230.
5. Ed. 276: Introduction to Educational Psychology.
6. Arts and Science (major)**
7. Arts and Science (minor)

*With the approval of the Dean and Associate Dean, students in the Faculty of Education, Calgary, may substitute another course.

**Unless the major field is English.

Second Year

1. Ed. 262: Educational Administration.
2. Ed. 280S: Education Methods. (VII-XII)
3. Ed. 382: Student Teaching.
4. Arts and Science (major)
5. Arts and Science (minor)

Third Year

1. Ed. 476: Educational Psychology.
2. Phil. 240, 260, 352, or 354. (Phil. 246 or 356 may be offered by Roman Catholic students.)
3. Senior Education option.
4. Senior Arts and Science (major).
5. Jr. or Sr. Arts and Science option.*

*This must be a Division "C" option for those whose programs have not yet included such an option. (See General Note 2, below.)

Fourth Year

1. Ed. 492: Philosophy of Education.
2. Senior Education option.
3. Sr. Arts and Science (major).
4. Sr. Arts and Science (major or minor).
5. Sr. Arts and Science option.

General Notes

1. Philosophy and psychology courses are not accepted as options.
2. Students must include a Division "C" option (mathematics or science) as a requirement for the B.Ed. degree. A laboratory science is recommended.
3. Graduation Requirement: Of the courses taken from the B.Ed. degree, students must obtain second class standing or better in no fewer than *six*, of which at least *four* must be senior courses.
4. Special Certificates: Students are asked to note the possibility of securing one or more special certificates as outlined in Section XIV. Having met the requirements, students should apply to the Registrar, Department of Education, for the issuance of the certificate.

D. Special Second Year for Certificated Teachers

Transfer Year: Four-Year B.Ed. Program

Certificated teachers are granted credit for the first year of the general B.Ed. program on the strength of their Normal School or Junior E training, provided that this training was of not less than seven months' duration.

If such certificated teachers have clear matriculation into the Faculty of Education, they will be admitted to the second year of the program. A special program for the second year is provided in order that all essential courses will be included.

It will be noted that candidates taking the elementary route have six courses to do; those entering the secondary route have seven. The reason for this extra load is that all one-year training was in the field of elementary education.

Students take five courses in a winter session. A summer session is required to complete the *transfer* second year.

Second Year

Elementary Route

1. Ed. 200*.
2. English 200 or 230.
3. History 200 or 210.
4. Science: one of Bot. 205, Zoo. 222, Geog. 201**.
5. English 398 or Art 230 or Music 200.
6. Arts and Science or Sr. Education option.

Secondary Route

1. Sociology 202**.
2. English 200 or 230.
3. Ed. 280S*.
4. Major.
5. Minor.
6. Major.
7. Minor.

Third and Fourth Years

As prescribed for these years in the regular programs for the B.Ed. degree—elementary or secondary route. Candidates in the elementary route are required to include English 398 (Children's Literature) in their programs.

*Some observation and student teaching may be required of students registered in these courses.

**With the approval of the Dean and Associate Dean, students in the Faculty of Education, Calgary, may substitute another course.

Special Programs

In all special programs, students may qualify for the Interim Standard S Certificate, valid in Grades IV to XI, at the end of the second year.

E. B.Ed. in Industrial Arts

Candidates wishing to prepare for teaching in general shop should follow the program headed Basic General Program. It provides for certification on the completion of the second and third years and for the B.Ed. in Industrial Arts degree on completion of the fourth year. Candidates proposing to specialize in unit shop will find details under the heading Special Programs below.

The first three years of the Basic General Program are offered only at Calgary; the fourth year at Edmonton.

A few Industrial Arts courses will be offered each year at the Summer Session in Edmonton. These are primarily for the convenience of students in the B.Ed. Program, Secondary Route, who wish to major in Industrial Arts and so qualify for Industrial Arts certificates. Course requirements are shown in Section XIV.

Basic General Program

First Year

1. Ed. 201: Introduction to Education.
2. Phys. Ed. 201: Physical Education.
3. Soc. 202*.
4. Ed. 276: Introduction to Educational Psychology.
5. Ed. 241A: Mechanical Drawing.
6. Ed. 242B: Woodwork.
7. Ed. 242C: Electricity.
8. Ed. 242D: Metal Work.

*With the approval of the Dean and Associate Dean, students in the Faculty of Education, Calgary, may substitute another course.

Second Year

1. English 200 or 230.
2. Ed. 261: Educational Administration for Industrial Arts students.
3. Ed. 280S(I.A.): Education Method (Grades VII to XII).
4. Ed. 382: Observation and Student Teaching.
5. Ed. 341A: Mechanical Drawing.
6. Ed. 342B: Woodwork.
7. Ed. 242F: Auto Mechanics.

Certification: Interim Standard S Certificate and Junior Certificate in Industrial Arts.

Third Year

1. A junior or senior A, B, C option.*
2. A junior or senior A, B, C option.*
3. Ed. 441B: Woodwork.
4. Ed. 341D: Welding.

*Options in philosophy and psychology are not accepted.

5. Ed. 341E: Handicrafts.
6. Ed. 341F: Auto Mechanics.
7. Ed. 342C: Electricity.
8. Ed. 342D: Metal Work.

Certification: Interim Professional Certification and Advanced Certificate in Industrial Arts.

Fourth Year

1. Phil. 240, 260, 352, or 354 (Phil. 246 or 356 may be offered by Roman Catholic students).
2. Ed. 492: Philosophy of Education.
3. 4. 5. Three senior Division A, B, C options.*

General Notes

1. **Graduation Requirement:** Of the courses taken for the B.Ed. in Industrial Arts degree, students must obtain second class standing or better in no fewer than six; three must be Junior or Senior Arts and Science or Senior Education courses.
2. **Certificated teachers** desiring to secure special certificates in Industrial Arts should refer to Section XIV for course requirements.

Special Programs for Teachers of Unit Shop Subjects

Candidates may follow one of three routes according to their status on entry. In all cases a regular matriculation standing is required.

Route 1. For those who propose to specialize in a unit shop subject in the third year and who are prepared to undertake fifteen (15) months of approved industrial experience and qualify for a certificate of apprenticeship from the Apprenticeship Board of Alberta.

Approved industrial experience is interpreted to mean that the candidate has filed an apprenticeship application with the Apprenticeship Board at the time of commencement of industrial experience. The Apprenticeship Board should be advised of changes of place of employment in order that progress may be checked by the field staff.

Qualify for Certificate of Apprenticeship is interpreted to mean that the candidate has passed a fourth year apprenticeship examination.

Route 2. For those with Alberta journeyman's status. A special three-year program is required as detailed below.

Route 3. For those who have completed an approved two-year program at the Institute of Technology and Art and who have completed a minimum of ten months' approved work in industry. The same three-year program is required as in Route 2.

Route 1. The first, second and fourth years of the basic general program will be followed. The third year becomes one of unit shop specialization. It may be entered only upon the recommendation of the Dean.

Third Year (Unit Shop Program)

1. A junior or senior Arts and Science option*.
2. A junior or senior Arts and Science option*.
3. Unit shop in Wood—

Ed. 441B

Shop, 4½ days per week

or

3. Unit Shop in Auto Mechanics—
- Shop, 5 days per week

or

3. Unit Shop in Electricity—
- Shop, 4 days per week
- Ed. 342C

or

3. Unit shop in Metal—
- Shop, 5 days per week

Certification: Interim Professional Certificate and the Specialist Advanced Certificate in a unit shop subject when journeyman status is achieved.

The programs in unit shop will ordinarily continue for some weeks beyond the University term in the spring. For details on this point, consult or write the Associate Dean, Calgary. Regular examinations will be written in Ed. 441B and 342C where taken. Shop performance will be appropriately assessed and marks recorded.

Route 2. Candidates who have acquired Alberta journeyman's status in an area of unit shop specialization taught in Alberta high schools and who present clear matriculation to the Faculty of Education may enter upon a special three-year program leading to certification and a degree.

- (a) First year: omitted.
- (b) Special second year: English 200 or 230, Ed. 276, Ed. 261, Ed. 280S(I.A.), Ed. 382, and one Arts and Science option. Certificates: Interim Standard S Certificate and the Specialist Senior Certificate in a unit shop subject if recommended by the Dean of the Faculty of Education.
- (c) Special third year: Three approved shop courses at least one of which must be in the field of specialization: two junior or senior Arts and Science options; and Ed. 441B and Ed. 341E or approved alternative(s). In practice, variations from the above may be arranged through student-staff consultation. Certificates: Interim Professional Certificate and the Specialist Advanced Certificate in a unit shop subject.
- (d) Special fourth year: Ed. 476; Phil. 240 or alternative; Ed. 492, and two senior Arts and Science options.* Qualifies for the B.Ed. in Industrial Arts degree.

Route 3. For information about the special two-year program at the Institute of Technology and Art at Calgary, candidates should write direct to the Principal of the Institute. The subsequent University program is that detailed for Route 2.

*Options in philosophy and psychology are not accepted.

F. B.Ed. Programs for Holders of Approved Degrees

Program For Teachers in the Secondary School

The following are basic courses from which selection will be made for the various purposes and for various categories of students according to the schedule below.

- (1) Ed. 280S: Education Method.
- (2) Ed. 382: Observation and Student Teaching.
- (3) Ed. 462: Educational Administration.
- (4) One of Ed. 308, 310, 478, or a suitable course approved by the Division of Educational Psychology.
- (5) Ed. 476: Educational Psychology.
- (6) One of Philosophy 240, 260, 352, or 354 (Philosophy 246 or 356 may be offered by Roman Catholic students.)
- (7) Ed. 492: Philosophy of Education.
- (8) An approved senior A, B, C, or senior Education option.*
- (9) An approved senior A, B, C, or senior Education option.*

*With divisional approval, well qualified students may elect a graduate course in Education.

SCHEDULE OF CERTIFICATION AND GRADUATION REQUIREMENTS

Non-Certificated Candidates

Holding B.A. or Equivalent Degree:

- Interim Standard S: (1) to (5) inclusive.
- Interim Professional: (1) to (7) inclusive.
- B.Ed. degree: (1) to (9) inclusive.
- Graduation requirement: Four seconds or firsts.

Holding M.A. or Honors Degree:

- Interim Professional: (1) to (5) inclusive.
- B.Ed. degree: (1) to (7) inclusive.
- Graduation requirement: Four seconds or firsts.

Certificated Candidates

Holding B.A. or Equivalent Degree:

- Interim Standard S: (1), (5).
- Interim Professional: (1), (5), (6), (7).
- B.Ed. degree: (1), (5), (6), (7), (8), (9).
- Graduation requirement: Three seconds or firsts.

Holding M.A. or Honors Degree:

- Interim Professional: (1), (5).
- B.Ed. degree: (1), (5), (6), (7).
- Graduation requirement: Three seconds or firsts.

NOTE:

The holder of a first-class certificate and a B.A. or M.A. or equivalent degree is entitled to a professional certificate without further requirement.

Program For Teachers in the Elementary School

The following are basic courses from which selection will be made for various purposes and for various categories of students according to the schedule below.

- (1) Education 284 Social Studies.
- (2) Education 286 Mathematics - Science.
- (3) Education 288 Reading and Language.
- (4) Education 476 Educational Psychology.
- (5) Education 382 Student Teaching.
- (6) Education 462 Educational Administration.
- (7) Philosophy 240, 260, 352, or 354 (Phil. 246 or 356 may be offered by Roman Catholic Students.)
- (8) Education 492 Philosophy of Education.
- (9) One of Education 252 (Art), Education 254 (Music), Education 310 (Mental Hygiene), Education 324 (Expressive Activities in the Primary Grades), or P.E. 200.
- (10) Senior Arts or Education option.

Non-Certificated Candidates

Holding B.A. or Equivalent Degree:

- Interim Standard E: (1) to (6) inclusive.
- Interim Professional: (1) to (8) inclusive.
- B.Ed. degree: (1) to (10) inclusive.
- Graduation requirement: Four seconds or firsts.

Holding M.A. or Honors Degree:

- Interim Professional: (1) to (6) inclusive.
- B.Ed. degree: (1) to (8) inclusive.
- Graduation requirement: Four seconds or firsts.

Certificated Candidates

Holding B.A. or Equivalent Degree:

- Interim Standard E: (1), (2), (3), (4).
- Interim Professional: (1), (2), (3), (4), (7), (8).
- B.Ed. degree: (1), (2), (3), (4), (7), (8), (9), (10).
- Graduation requirement: Three seconds or firsts.

Holding M.A. or Honors Degree:

- Interim Professional : (1), (2), (3), (4).
- B.Ed. degree: (1), (2), (3), (4), (7), (8).
- Graduation requirement: Three seconds or firsts.

NOTE:

The holder of a first-class certificate and a B.A. or M.A. or equivalent degree is entitled to a professional certificate without further requirement.

G. Advanced Study in Education

I. Graduate Degrees in Education

All candidates for advanced degrees register with the Faculty of Graduate Studies which administers graduate programs throughout the University.

In the Faculty of Education graduate work is offered for the preparation of teachers, supervisors, guidance workers, administrators and other educational

specialists, and may lead to the degrees of Master of Education, Doctor of Education and Doctor of Philosophy. Candidates for these advanced degrees specialize in terms of the divisional organization of the Faculty of Education as follows:

Division of Elementary Education: curriculum and instruction in kindergarten, primary and elementary education. Chairman—Dr. W. D. McDougall.

Division of Secondary Education: curriculum and instruction in secondary education (Grades VII - XII), educational history, philosophy, and sociology. Chairman—Dr. H. S. Baker.

Division of Educational Psychology: child and adolescent psychology, educational psychology, guidance, mental hygiene, special education, clinical psychology, tests and measurements. Chairman—Dr. G. M. Dunlop.

Division of Educational Administration: school administration (elementary and secondary), general supervision, school finance and business administration, chief administrative roles. Chairman—Dr. A. W. Reeves.

In order to meet the needs and interests of candidates, the divisions permit considerable flexibility in the programs leading to advanced degrees. In general, students pattern their courses from the offerings of the division of their choice supplemented by approved courses from other divisions and departments of the University. Normally a candidate for the master's degree must present a program consisting of six courses and a minor thesis. A candidate for the doctor's degree (if he already holds a master's degree) is normally required to spend two academic years in study and research in residence at the University of Alberta.

Graduate courses in education are offered in both the regular and the summer sessions. Candidates for the master's degree may meet the residence requirement through summer sessions only. The full residence requirement for the doctor's degree may not be met in this way.

Initial Procedure: After a student has decided upon an area of specialization, he should communicate directly with the appropriate divisional chairman and, if possible, arrange for an interview. By this means the student's eligibility will be determined and further information given about the degree programs available in the Division.

Prospective candidates are referred to the Calendar of the Faculty of Graduate Studies for specific information about admission requirements, academic standards, registration dates, costs, etc. This calendar may be obtained from the office of the Registrar, or of the Division concerned.

II. Non-Degree Programs

A student holding a B.Ed. degree or the equivalent and not desiring to register for a graduate degree or not meeting all the requirements for admission to the Faculty of Graduate Studies, may register in the Faculty of Education as a *special student*.

H. Special Certificate in Administration

The requirements for the Special Certificate in Educational Administration are as follows:

(a) Course requirements:

Credit in Education 525, Education 559, Education 561, Education 563, plus two additional senior or graduate courses in Arts or Education as approved by the Division of Educational Administration with a mark of 65 or better required in each course or half course.

(b) *Certification requirement:*

Possession of an Alberta Permanent Professional Certificate.

I. Special Certificates in Guidance

The requirements for the Special Certificates in Guidance are as follows:

The Junior Certificate in Guidance

(a) *Course requirements:*

1. Education 476 (Educational Psychology)
2. *One of:*
 - (a) Education 308 (Guidance)
 - (b) Education 310 (Mental Hygiene)
3. *One of:*
 - (a) the remaining course from item 2 above
 - (b) Education 474 (Education Clinic)
 - (c) Education 478 (Measurement and Evaluation)

(b) *Certification requirement:*

Possession of a permanent general teaching certificate.

NOTE: Education 308 is recommended for those persons intending to be counsellors in the secondary schools, and Education 310 for teachers in the elementary or secondary schools who are interested in guidance.

Senior Certificate in Guidance

(a) *Course requirements:*

1. Education 474-574 (Education Clinic)
OR
Education 510 (Counselling in Education)
2. Education 508 (Organization and Administration of the Guidance Program)
OR
Education 526 (Educational Supervision)
3. Education 478 (Measurement and Evaluation) and
Education 576 (Introduction to Educational Research)
OR
Statistics 255 and
Education 578 (Advanced Testing and Measurement)

(b) *Certification and experience requirements:*

1. Possession of a Junior Certificate in Guidance.
2. Possession of a Permanent Professional Certificate.
3. Two years' experience as a counsellor (or equivalent experience) approved by the Provincial Supervisor of Guidance.

NOTE: If Education 474 has been included for the Junior Certificate, credit in Education 510 or an approved alternative must be secured.

J. Special Certificates in Business Education

Courses Leading to Certification

Two courses in typewriting and two in shorthand, which lead to junior and senior certification in these subjects, are now available in the Faculty of Education. These courses are Education 246 and 346—Typewriting, and Education 248 and 348—Shorthand. While these courses will lead to certification in typewriting and shorthand, they cannot be presented for degree credit except by B. Ed. students in the secondary route who have formally elected a major or a minor in business education. Not more than one course in typewriting and one in shorthand may be presented for degree credit.

These courses, together with Education 350—Office Practice, Accounting 200 and 300 and Commercial Law, now make it possible for teachers to secure complete certification in commercial subjects within the University.

XIII—DETAILS OF COURSES

NOTE: The hours of instruction per week for both terms are shown at the top of each course description. The first figure in each term indicates lecture hours and the second laboratory hours. Courses which may be taught in either term are indicated by the words "half-year". Even numbered courses are full courses; odd numbered courses are half courses. Numbers in parenthesis refer to previous designation of courses.

STAFF OF THE FACULTY OF EDUCATION

DIVISION OF EDUCATIONAL ADMINISTRATION—

Professors—H. T. Coutts, A. L. Doucette (Calgary), G. L. Mowat, A. W. Reeves (Chairman), H. T. Sparby

Associate Professors—J. D. Aikenhead (Calgary), J. H. M. Andrews, H. C. Melsen, W. H. Worth

Assistant Professor—J. E. Cheal

DIVISION OF EDUCATIONAL PSYCHOLOGY—

Professors—G. M. Dunlop (Chairman), J. W. Gilles, R. S. MacArthur

Associate Professors—C. C. Anderson, J. D. Ayers, D. B. Black, C. M. Christensen, J. G. Woodsworth (Calgary)

Assistant Professors—W. B. Dockrell, R. J. C. Harper, J. Macdonald, J. A. Stewart (Calgary)

DIVISION OF ELEMENTARY EDUCATION—

Professors—T. G. Finn (Calgary), W. E. Hodgson, W. D. McDougall (Chairman)

Associate Professors—Muriel A. Caldwell, Jean D. Dey, J. A. Forbes, C. Hampson, Dorothy M. Lampard, L. D. Nelson, Bertha M. Newton (Calgary), A. A. Smith, Helen B. Stadelbauer (Calgary)

Assistant Professors—F. E. Churchley (Calgary), Helen M. Diemert, E. M. Dodd (Calgary), Q. D. Doolittle (Calgary), Elizabeth Filipkowski, Marion D. Jenkinson, Ethel M. King (Calgary), Evelyn R. Moore, S. Norris (Calgary)

DIVISION OF SECONDARY EDUCATION—

Professors—H. S. Baker (Chairman), E. W. Buxton, B. E. Walker

Associate Professors—B. Y. Card, S. A. Earl, S. A. Lindstedt (Calgary), W. Pilkington, A. G. Storey (Calgary), K. H. Thomson

Assistant Professors—R. N. Anderson (Calgary), Mary A. Beaton (Calgary), M. Chorney (Calgary), D. H. Crawford, Geraldine Farmer, Lois R. Godwin, M. R. Lupul, M. Nay

I—Undergraduate Courses

200. (100.) Introduction to Education (3-0; 3-0)

B. Y. CARD, T. G. FINN AND ASSOCIATES

An introductory course in education stressing the historical and sociological approaches to educational problems. Some attention will be given to basic procedures and methods.

201. Introduction to Education (2-0; 2-0)

B. Y. CARD, T. G. FINN AND ASSOCIATES

Selected topics from Education 200.

206. (106.) Social Studies (3-2; 3-2)

W. D. McDougall, T. G. FINN AND ASSOCIATES

How the elementary and junior high schools endeavor to satisfy the psychological and social needs of children from six to fifteen years of age; the selection, organization, development and evaluation of enterprises; the social studies in the junior high school; audio-visual aids; library and reading problems in the social studies; the school and the community; and extensive reading in selected phases of the content of the elementary and junior high school programs. There will be observation, participation and teaching in Grades I-IX.

222. (121.) Reading and Language (3-0; 3-0)

MURIEL CALDWELL, BERTHA M. NEWTON AND ASSOCIATES

A survey of the skills and abilities to be developed in reading, literature, language, spelling, handwriting, speech training and choral speech for divisions one and two; methods of development; authorized textbooks and materials available for use.

224. Speech in the Elementary School (3-0; 3-0)

TO BE ANNOUNCED

The basic elements of speech and listening: application of speech and listening in discussions, choral speech, story telling, radio speaking, and interpretive reading; the consideration of special speech problems of teachers and pupils.

(Not offered in 1960-61).

227. (127.) Mathematics 3 hrs. (half year)

L. D. NELSON, S. A. LINDSTEDT AND ASSOCIATES

Introduction to the teaching of elementary mathematics with emphasis on basic methods.

229. (129.) Science (2-0; 2-0)

C. HAMPSON, S. NORRIS AND ASSOCIATES

Division 1 and 2.

Science and the integrated program; sources of materials; utilizing community resources; intra and extra classroom activities.

234. (34.) Music Education (2-1; 3-1)

A. A. SMITH, F. E. CHURCHLEY AND ASSOCIATES

Open to Education students without music training adequate for admission to Music 200. Voice production, sight reading, ear training, rudiments of music, music history. Introduction to form. Instruments of the orchestra.

238. (138.) English (3-0; 3-0)

W. PILKINGTON, A. G. STOREY AND ASSOCIATES

Varied activities to develop the students' oral and written language; a study of poetry, prose and drama to broaden the students' background, to give them a deeper appreciation of literature and to serve as standards for their own creative writing.

241A-341A (141A, 241A) Industrial Arts—Mechanical Drawing (First and Second Years) (1-2; 1-2)

G. R. HOWARTH

Use and care of drafting instruments and drafting equipment. Single-stroke lettering. Geometric drawing, including angles, polygons, tangents and ellipses, with problems. The making and use of scales. Mechanical and architectural conventions. Conventional drawing of bolts and screws. Simple blueprint reading.

Orthographic projection, including sections and auxiliary views. Cabinet and isometric drawing. Shop sketching. Projection perspective and the plan method of mechanical perspective.

Assembly and detail drawing. Surface development drawing, including shapes based on type forms and triangulation methods. Simple building drawing. Drawing of shop projects involving simple design. Tracing and blueprinting.

242B. (142B.) Industrial Arts—Woodwork (2-4; 2-4)

R. H. CUNNINGHAM

Care, adjustment and repair of hand tools. Basic tool procedures involving instruction and practice in the use of all the commonly used hand tools. Wood finishing; application of the elementary types of finishes, paints, stain and varnish, enamel, etc.

242C. Industrial Arts—Electricity (3-3; 3-3)

R. H. CUNNINGHAM

Electron theory; sources of electrical energy; electrical units; electrical circuits; Ohm's Law; Canadian Electrical Code; electro-magnetic induction, Lenz's Law; electrical instruments; direct current motors and generators.

242D. Industrial Arts—Metal Work (2-4; 2-4)

J. D. HARRON

Common metals and their alloys: elementary metallurgy; sheet metal work; introduction to welding, forging, casting, heat treating; bench work.

242F. Industrial Arts—Automotive Mechanics (2-4; 2-4)

F. WYNNE

The automobile and its power plant; general construction of the automobile; auxiliary systems; fuel, carburetion, lubricating, cooling; clutch and gear box; rear axles; drive shafts and universal joints; front axles and steering gears; brakes; miscellaneous.

246. Teaching of Typewriting (6L; 6L)

GERALDINE FARMER

This course is designed to offer instruction in the pedagogical aspects of teaching typewriting to others, to provide an understanding of the curriculum in typewriting in the secondary school, and to develop basic competency in typewriting. Open to students not eligible for admission to Education 346.

248. Teaching of Shorthand (6L; 6L)

GERALDINE FARMER

This course is designed to offer instruction in the pedagogical aspects of teaching shorthand to others, to provide an understanding of the curriculum in shorthand in the secondary school, and to develop basic competency in shorthand. Open to students not eligible for admission to Education 348.

251. (151.) Art (2-0; 2-0)

J. A. FORBES, HELEN B. STADELBAUER AND ASSOCIATES

This is an introductory course which aims to awaken in the student an appreciation of the possibilities of art training in his present social environment, as well as its value in elementary school education. The course will offer fundamental art experiences anticipating the obvious needs of teachers. Emphasis will be placed upon drawing, composition, color and the various media suitable for school use.

252. Art (3L; 3L)

J. A. FORBES AND HELEN B. STADELBAUER

The development by each student of an appreciation of art; the study of art as a medium of creative expression by children; and the development by each student of some degree of skill in handling the media used in the school programs.

253. (153.) Music (2-0; 2-0)

A. A. SMITH, F. E. CHURCHLEY AND ASSOCIATES

A study of materials and methods used in music education in the elementary and junior high schools.

254. Music (3L; 3L)

A. A. SMITH, F. E. CHURCHLEY

A laboratory course designed to prepare teachers for effective music teaching in the schools; survey of songs, instrumental compositions, and recordings; effective performance and listening techniques; values and techniques of notation; rhythmic and creative activities.

255. Speech and Dramatization (3-0; 0-0)

A basic course in drama and dramatization for the schools. Classroom, stage

and workshop techniques in the theatre arts. Practical laboratory work is required of all registrants.

Prerequisite: Drama 250.

(Offered at the Banff School of Fine Arts for special certification only.)

261. Educational Administration (3-0; 0-0)

H. C. MELSNESS, J. D. AIKENHEAD AND ASSOCIATES

A basic course in educational administration dealing with topics of special significance to the classroom teacher. Topics in this course include: The Alberta School System, Professional Ethics, School Law.

262. Educational Administration (3-0; 3-0)

H. C. MELSNESS, J. D. AIKENHEAD AND ASSOCIATES

A basic course in educational administration dealing with topics of special significance to the classroom teacher. Some of the topics are: The Alberta School System, School Law, Classroom Management, Records and Reports, Extracurricular Activities.

276. (176.) Introduction to Educational Psychology (3-0; 3-0)

STAFF

An introduction to childhood and adolescence, stressing physical, mental, social, emotional, and personality development; the psychology of learning and of the special learning areas; the application of psychological principles to classroom practice.

280S. Education Method (3-0; 3-0)

E. W. BUXTON, S. A. LINDSTEDT AND ASSOCIATES

Subject matter organization and method for the senior high school grades. Required of all candidates (except those in the B.Ed. in Industrial Arts) qualifying for the Standard S Certificate in winter session. Each student registered in this course will elect *two* of the following fields of study: English, mathematics, science, French, commercial subjects, household economics, industrial arts, agriculture, social studies, physical education, art, drama, music. Students who have secured credit in Physical Education 104Su may not subsequently elect the physical education section of Education 280S.

Prerequisites or co-requisites: Two full courses in each of the major and minor fields of study.

NOTES:

1. The prerequisite in music may be waived with permission of the instructor.
2. Students presenting languages other than French will have their cases considered individually.

280S(I.A.). Education Method for Industrial Arts Students (3-0; 3-0)

S. A. LINDSTEDT AND D. A. GAUDETTE

Required of all B.Ed. in Industrial Arts candidates qualifying for the Junior Diploma (Standard S Certificate) in winter session. The first half of the course will be devoted to a study of the basic principles of teaching methods as they apply to a variety of subject areas in the high school. The second half of the course will deal with special methods and techniques specific to industrial arts.

280S-Su Education Method

(3-0; 3-0)

STAFF

Subject matter organization and method in the high school grades. Required of all candidates qualifying for the Standard S Certificate in the Summer Session. The course will be presented in sections as shown in 280S above. Each student is required to elect only one of these sections.

Prerequisites or Corequisites: One year of successful teaching. Two full courses in the major or the minor teaching field.

NOTE: Registration in Education 280S-Su will not be accepted from students who will be continuing their undergraduate studies in the winter session.

282. (182.) Observation and Student Teaching

W. E. HODGSON, J. D. AIKENHEAD AND ASSOCIATES

Observation and student teaching for Junior E students.

284. Social Studies

(3-0; 3-0)

EVELYN MOORE AND T. G. FINN

Selection, organization, development and evaluation of enterprises; the social studies-language program in junior high school grades; audio-visual materials; library and reading problems in the social studies. There will be observation and teaching in Grades I-IX.

286. Mathematics and Science

(3-0; 3-0)

L. D. NELSON, C. H. HAMPSON, S. LINDSTEDT, S. NORRIS

Aims and objectives of mathematics and science education in the elementary school; appropriate classroom activities and the development of representative units in the specific content areas involved.

288. Reading and Language

(3-1; 3-1)

MARION JENKINSON AND BERTHA NEWTON

A study of the elementary school program in the language arts including reading, literature, language, spelling, handwriting, speech training and choral speaking, with emphasis on objectives, content, methods and materials.

306. Enterprise Education

(3-0; 3-0)

EVELYN R. MOORE

A course for certificated teachers. This course is designed to establish a firmer appreciation of the principles basic to the enterprise method and to assist teachers to improve their competence where deficiencies in the use of the enterprise method are most apparent.

Prerequisite: Ed. 206 or Ed. 284 or appropriate section of 280S or permission of instructor.

308. Guidance

(3-0; 3-0)

C. M. CHRISTENSEN

Basic principles and techniques of guidance; case studies, interviews, records, with emphasis on scholastic and personal guidance; introduction to the tests and measures most commonly used in guidance.

Prerequisite: Education 276 or equivalent.

310. Mental Hygiene in Teaching (3-0; 3-0)

W. B. DOCKRELL

Principles of mental hygiene; the dynamics of behavior; mental health of the teacher; classroom application of mental hygiene principles.

Prerequisite: Education 276 or equivalent.

312. Audio-Visual Aids (3-1; 3-1)

C. HAMPSON

Theory of audio-visual aids; types of aids available for instructional purposes; principles and techniques of teaching with such aids; examination and preparation of audio-visual aids; experience in the operation and care of specialized equipment.

316. School Libraries (3-0; 3-0)

TO BE ANNOUNCED

A study of the school library and its functions, including simplified cataloging, reference, circulation, and the care and repair of books; special emphasis on the planning and equipping of the library, principles of book selection, evaluations of books, book talks and story telling, building of a book collection and its coordination with the course of studies.

(Offered in summer sessions only.)

This course is especially arranged for teachers who are interested in school libraries and should be of great assistance to them in the discharge of responsibilities connected with any type of library.

(Not offered in 1960-61).

322A. Reading in the Primary Grades (3-0; 3-0)

JEAN D. DEY

A course in reading instruction, including readiness for reading, development of fundamental reading abilities, selection of materials of instruction, and organization of the reading program.

Prerequisite: Ed. 222 or Ed. 288 or permission of instructor.

322B. Reading in the Intermediate and Junior High School Grades (3-0; 3-0)

DOROTHY LAMPARD

A course in reading instruction, stressing the organization and content of the basic reading program in the senior elementary grades, special reading problems in the content subjects of the junior high school, individualized instruction at all levels, and the selection of reading materials.

Prerequisite: Ed. 222 or Ed. 288 or appropriate section of 280S or permission of instructor.

324. Creative Expression in the Primary Grades (3-0; 3-0)

JEAN D. DEY

A course in the content and organization of the program in language, dramatization, art, music, rhythms and play for the kindergarten and primary grades.

328. Arithmetic in the Elementary and Junior High School
Grades (3-0; 3-0)

D. H. CRAWFORD AND S. A. LINDSTEDT

The mathematics curriculum: content, methods, instructional materials, evaluation; diagnosis and treatment of learning difficulties; and experimental programs.

Prerequisite: Education 227 or 286 or 280S (Math.) or permission of instructor.

330. Science in the Elementary and Junior
High School Grades (3-0; 3-0)

C. HAMPSON

A course in the teaching of science programs of the elementary and junior high school grades: development of appropriate laboratory equipment; selection of materials of instruction; field work.

Prerequisite: Ed. 229 or Ed. 286 or appropriate section of 280S or permission of instructor.

338. Language Arts in the Elementary and Junior High School
Grades (3-0; 3-0)

DOROTHY LAMPARD

A course in the teaching of language arts in Grades I-IX; objectives, evaluation and instruction in oral and written English; spelling, penmanship, outlining, summarizing and note writing; diagnostic and remedial techniques; criteria for selection and placement of content. Special attention will be given to the integration of language and social studies in the junior high school grades.

Prerequisite: Ed. 222 or Ed. 288 or appropriate section of Ed. 280S or permission of instructor.

341D. Industrial Arts—Welding (1-2; 1-2)

TO BE ANNOUNCED

The theory and practice of oxy-acetylene and arc welding.

341E. Industrial Arts—Handicrafts 3 hrs. (half year)

MARION F. NICOLL

Procedures, materials and project development in media particularly suitable for the junior high school industrial arts program: leather, plastics, art metal, woodcraft novelties, wood carving.

341F. Industrial Arts—Automotive Mechanics (1-2; 1-2)

G. A. SEXTON

Electric circuits of the automobile; battery ignition; generator, starting motor, lighting, horn and accessory circuits; tune-up, trouble diagnosis.

Prerequisite: Education 242F.

342B. (242B.) Industrial Arts—Woodwork (2-4; 2-4)

M. J. TOMLINSON

Further development of proficiency in using hand tools. Use of woodwork-ing machines of various types. Filing and fitting hand saws. Wood finish-

ing; further development in the application of various types of finishes (stained, shellacked, rubbed and waxed finishes).

Prerequisite: Education 242B.

342C. Industrial Arts—Electricity (2-4; 2-4)

R. H. CUNNINGHAM

Principles of alternating currents; single-phase induction motors; rectifiers; telephones; electronics; electro-magnetic waves; transformers.

Prerequisite: Education 242C.

342D. Industrial Arts—Metal Work (2-4; 2-4)

G. H. HARE

Non-ferrous metals and their alloys; metallurgy; machine shop practice; forging, welding, casting and heat treating continued; advanced drill press and bench work.

345. Typewriting Practice (0-3; 0-3)

GERALDINE FARMER

Required of candidates for the Junior Certificate in Business Education who hold either credit in Education 246 or the Junior Certificate in Typewriting.

This course may not be presented for credit towards a degree.

Prerequisite: Education 246 or the Junior Certificate in Typewriting.

346. Teaching of Typewriting (6L; 6L)

GERALDINE FARMER

This course is designed to offer instruction in the pedagogical aspects of teaching typewriting to others, to provide an understanding of the curriculum in typewriting in the secondary school, and to increase competency in typewriting.

Prerequisite: Typewriting 20 of the High School with B standing, or equivalent.

NOTE: Students who hold the Junior Certificate in Typewriting may register in this course provided they do not already hold credit in Education 246.

347. Shorthand Practice (0-3; 0-3)

GERALDINE FARMER

Required of candidates for the Junior Certificate in Business Education who hold either credit in Education 248 or the Junior Certificate in Shorthand.

This course may not be presented for credit towards a degree.

Prerequisites: Education 246 or the Junior Certificate in Typewriting; and Education 248 or the Junior Certificate in Shorthand.

348. Teaching of Shorthand (6L; 6L)

GERALDINE FARMER

This course is designed to offer instruction in the pedagogical aspects of teaching shorthand to others, to provide an understanding of the curriculum in shorthand in the secondary school, and to increase competency in shorthand.

Prerequisites: Typewriting 20 and Shorthand 20 of the High School with B standing, or equivalent.

NOTE: Students who hold the Junior Certificates in Shorthand and Typewriting may register in this course provided they do not already hold credit in Education 248.

350. Office Training (6L; 6L)

GERALDINE FARMER

Office practice. Study of forms used in everyday business, such as cheques, notes, drafts, invoices, statements. Study of banking, communication services, shipping services and transportation. Correspondence. Letters of application, introduction, recommendation, etc. Filing. Introduction to business machines. Prerequisite: Education 246 or Junior Certificate in Typewriting.

370Su. Teaching of Language to the Deaf (3-1; 3-1)

TO BE ANNOUNCED

Principles and methods employed in the development of oral and written language; vocabulary building; modifying linguistic handicaps of the deaf; relationship of language growth to mental, emotional and social maturation; employment of appropriate emotional materials; observation and laboratory experience.

372. Psychology and Education of Exceptional Children (3-0; 3-0)

TO BE ANNOUNCED

A survey of the psychology and education of the following types of atypical children: the child of low vitality, the crippled child, the child of defective vision or hearing, the child with defective speech, the epileptic, the delinquent child, the maladjusted child. The curricula, teaching methods and classroom organization for atypical children.

Prerequisite or corequisite: Education 476.

382. (282.) Observation and Student Teaching 12½ hrs. (for nine wks.)

S. A. EARL, S. A. LINDSTEDT AND STAFF

All students in B.Ed. programs will devote the afternoon periods of nine weeks to student teaching in assigned classrooms.

424. Diagnostic and Remedial Program (0-3; 0-3)

TO BE ANNOUNCED

A study of pre-school children. This will include the administration of intelligence tests, readiness tests, and reading tests, as well as the development of readiness programs.

436. Children's Theatre

438. Teaching English as a Second Language (3-0; 3-0)

TO BE ANNOUNCED

A course designed to acquaint teachers with approved methods of teaching English to young people and adults whose native language is not English.

441B. (341B) Industrial Arts—Woodwork 6 hrs. (half year)

R. H. CUNNINGHAM

Maintenance work (shop and equipment); refinishing; building construction. Prerequisites: Education 242B and 342B.

462. (362) Educational Administration (3-0; 3-0)

H. C. MELSNESS AND J. D. AIKENHEAD

For a description of this course, see Education 262. For holders of B.A. or B.Sc. degrees.

470Su Teaching Speech to the Deaf (3-1; 3-1)

TO BE ANNOUNCED

Importance of speech as a medium in the emotional social and mental development of deaf children; the organs of speech, their function and development; principles and methods used in developing speech; correction of acquired speech; development of useful and effective speech skills; utilization of residual hearing and other sensory avenues; auditory training and use of hearing aids; observation and laboratory experience.

472. Mentally Exceptional Children (3-0; 3-0)

TO BE ANNOUNCED

The psychology and education of mentally retarded and of gifted children, with special emphasis on organization, curricula and methods of teaching. Prerequisite or corequisite: Education 476.

474. Education Clinic (3-3; 3-3)

W. B. DOCKRELL

(See Education 574.)

475. Psychology of Learning (B.Sc. Nursing, B.D.) (3-0; 0-0)

W. B. DOCKRELL

Analysis of learning process; psychology of skills, memory, reasoning, and emotion.

476. Educational Psychology

G. M. DUNLOP, R. S. MACARTHUR AND J. G. WOODSWORTH

Individual differences; psychology of learning and forgetting; motivation; personality, adjustment, and mental hygiene; introduction to evaluation and the testing program.

Prerequisite: Education 276, Psychology 202 or equivalent

478. Measurement and Evaluation (3-0; 3-0)

C. C. ANDERSON

Measurement of classroom achievement; teacher-made and standardized tests; interpretation and use of test results; evaluation of non-academic achievements; recording and reporting pupil progress.

Prerequisite: Education 276 or equivalent.

480. Curriculum and Teaching in the Secondary School (3-0; 3-0)

STAFF

An examination and appraisal of curricula and teaching procedures in one of the following subjects. Prerequisite: Education 280S and two content courses in the chosen subject field; specific prerequisites may be required in some cases.

Science

Mathematics (pre- or co-requisite: Mathematics 270)

492. Philosophy of Education (3-0; 3-0)

H. S. BAKER, B. E. WALKER AND A. L. DOUCETTE

Philosophical bases of education, with particular reference to values, aims, curriculum, and the educative process.

Prerequisite: Philosophy 240, 260, 352, or 354 or 360. Philosophy 246 or 356 may be substituted by Roman Catholic students.

494. Principles and Practices of the School Program

TO BE ANNOUNCED

(Offered in summer session only.)

(Grades I to XII.)

The content of this course is to remain somewhat flexible so that individual needs of teachers registered in the course may be recognized.

II—Graduate Courses

NOTE: Graduate courses are numbered 500 and above. Not all are offered every year. Registration in these courses is normally restricted to graduate students.

500. Education Seminar

STAFF

Reports and discussion by staff and graduate students to provide candidates for advanced degrees with experience in the selection and evaluation of research problems and procedures. The seminar will be offered as arranged. No course credit will be given.

502. Introduction to Educational Research

(3-0; 3-0)

J. MACDONALD

An introduction to quantitative and non-quantitative research; the applications of elementary statistics to the collection and analysis of data.

508. Problems in Educational and Vocational Guidance

C. M. CHRISTENSEN

Problems in the prediction and guidance of academic success; theories and principles of vocational choice and vocational adjustment; applications of available knowledge and instruments to school guidance.

Prerequisite or corequisite: Ed. 308.

510. Counselling in Education

(3-3; 3-3)

C. M. CHRISTENSEN

Interview procedures; adapting the interview to scholastic, vocational, and personal guidance; laboratory practice with school children in the above procedures.

Prerequisite: Education 476.

514. Educational Sociology

B. Y. CARD

A study of the school as a functioning institution in society with special attention to the status and role of school personnel, school group dynamics and control, and the educational implications of current trends in family living, social stratification, ethnic group relations, government, economics, religion.

518. Problems in Remedial Reading

(3-0; 3-0)

MARION D. JENKINSON

The study of the auditory, visual, neurological, perceptual, mental and emotional factors which contribute to reading disability; the development of remedial techniques related to specific reading disabilities as they appear at the elementary, high school and college level.

This course is designed for reading supervisors and consultants, special teachers and tutors.

Prerequisite: Ed. 322A or Ed. 322B or appropriate section of 280S or permission of instructor.

520. Clinical Study of Remedial Reading (3-3; 3-3)

MARION D. JENKINSON

The clinical diagnosis of cases of severe reading disability; the remedial treatment of such cases as they appear at the elementary high school and college levels; evaluation of various tests and materials used in remedial reading, and the use of readability formulas; diagnostic and tutoring experience.

Prerequisite: Education 518.

522. Psychology and Supervision of Reading (3-0; 3-0)

DOROTHY M. LAMPARD

The nature of reading, and problems related to reading; evaluation and the measurement of achievement; diagnosis through the use of informal and standardized tests; remedial programs and materials; a minimal program to meet the needs of those in supervisory positions; the review and application of research studies.

Prerequisite: Education 322A or 322B; or permission of the instructor.

525. Educational Supervision (0-0; 3-0)

J. H. M. ANDREWS

A half year course containing topics selected from those listed in the description of Education 526.

526. Educational Supervision (3-0; 3-0)

J. H. M. ANDREWS

The principles, problems and procedures of democratic educational supervision. The following will be included: the function of the supervisor; personnel administration; the development and maintenance of morale; group process and staff meetings; studying and improving the teaching-learning situation; evaluating the objectives, methods and outcomes of the educational process; special problems of the supervisor arising from departmentalization in the high school, and from the enterprise in elementary schools.

528. The Learning and Teaching of Mathematics in Elementary and Junior High School (3-0; 3-0)

D. H. CRAWFORD

The development of the concept of number, (historical and psychological); review of recent research in learning and teaching mathematics; appraisal of programs and instructional materials.

Prerequisite: Education 328 or 480 (Mathematics).

559. Administration of Public Education in Canada (3-0; 0-0)

H. T. SPARBY

A half year course containing topics selected from those listed in the description of Education 560.

560. Administration of Public Education in Canada (3-0; 3-0)

H. T. SPARBY

A comparative study of the educational systems of the ten Canadian provinces, with special attention to administrative organization and control. The form, function and powers of central and local educational authorities, and their relationship to one another. Centralized versus decentralized control. School law. Educational activities of the Dominion Government. Current trends and administrative problems in Canadian education.

561. Principles of Educational Administration (3-0; 0-0)

A. W. REEVES

A half year course containing topics selected from those listed in the description of Education 562.

562. Principles of Educational Administration (3-0; 3-0)

A. W. REEVES

Administration analyzed into its major activities, planning, organizing, directing, co-ordinating and controlling. Illustrations of these activities in the field of education. Relationship of school administration to political science, law, business administration, sociology and psychology. Importance of a guiding philosophy. Influence of democratic ideology on administrative theory and practice. Basic principles of school administration and their application to typical administrative problems.

563. Administrative Role of Principals and Superintendents (0-0; 3-0)

TO BE ANNOUNCED

A half year course containing topics selected from those listed in the description of Education 564.

564. Administrative Role of Principals and Superintendents (3-0; 3-0)

TO BE ANNOUNCED

The functions of the principal with particular attention to matters such as: administrative relationships within the school system, school and staff organization, professional leadership, administering the instructional program, pupil personnel and adjustment services, student organizations and activities, administration of the school plant and supplies, office management, records and reports. The principal as a public relations officer.

566. Educational Finance (3-0; 3-0)

G. L. MOWAT

Sources of school revenue and analysis of expenditures. Provincial school grants in Canada. The case for federal aid. Plans for equalizing the financial support of public education and major problems involved in their implementation. Principles and practices in the budgeting of school funds. Financial accounting and reporting. Capital expenditures. Salary schedules. Cost analysis.

568. School Buildings and Pupil Transportation (3-0; 3-0)

G. L. MOWAT

School building surveys. Planning the school plant and supervising its construction. Site development for school and community use. Operation,

utilization and maintenance of the school plant. Evolution of pupil transportation. Planning bus routes. The driver and his duties. Bus standards. Accounting procedure and cost analyses. Studies of actual building and transportation problems confronting school boards in Alberta.

570. Child Psychology (3-0; 3-0)

TO BE ANNOUNCED

A systematic study of the growth, development, behavior and problems of adjustment of children of pre-school and elementary school ages.

Prerequisite: Education 476.

572. Psychology of Adolescence (3-0; 3-0)

TO BE ANNOUNCED

A systematic study of the growth, development, behavior and problems of adjustment of children of junior and senior high school ages.

Prerequisite: Education 476.

574. Education Clinic (3-3; 3-3)

W. B. DOCKRELL

Training in the measurement of intelligence, achievement, interests, aptitudes and adjustment of school children. Laboratory experience in the Education Clinic in measurement, diagnosis and remedial treatment of school children.

Prerequisite: Education 476.

576. Methods of Educational Research (3-0; 3-0)

J. MACDONALD

The nature of scientific thinking; methods and techniques of educational research; applications of these methods and techniques to educational research.

Prerequisite: Education 476.

578. Advanced Testing and Measurement (3-0; 3-0)

R. S. MACARTHUR

The application of elementary statistics to problems of measurement and research education. The theoretical basis of measurement of achievement, intelligence, interests, aptitude and adjustment; the examination and evaluation of group and individual tests in these areas.

Prerequisite or corequisite: Statistics 255.

580. Curriculum Development (3-0; 3-0)

H. S. BAKER AND W. H. WORTH

Curriculum research, theory and practice with particular reference to curriculum aims, content, organization, and change.

594. History of Education (3-0; 3-0)

B. E. WALKER

History of education from the Greeks to modern times, placing emphasis on great figures and major trends. The history of modern education in Canada, Britain, America, France, Germany, Denmark and Russia. Great issues in education: The influence of political, economic, social and religious institutions on education; theories of the role of education in the modern state; philosophy and education; psychology and education.

III—Graduate Conference Courses

NOTE: Registration in courses numbered 600 and above is restricted to graduate students; in each course, credit is given according to work done, to a maximum of six hours. Not all are offered every year.

626. Educational Supervision

660. The Organization and Government of Public Education

662. Problems of Educational Administration and Supervision

664. The Administrative Role of Principals and Superintendents

666. Educational Finance

670. Developmental Psychology

STAFF OF THE DIVISION OF EDUCATIONAL PSYCHOLOGY

674. Problems of Adjustment of School Children

C. C. ANDERSON

676. The Psychology of Learning

G. M. DUNLOP

678. Educational Measurement and Experimental Research

R. S. MACARTHUR

680. Teaching in the Secondary School

Theory and research in a selected subject-matter field or fields.

682. Elementary Education

Advanced study of current problems and trends in elementary education.

692. Philosophy of Education

Issues in modern education; critical analysis of educational theories; problems of consensus.

Prerequisite: Education 492 or the equivalent.

696. Comparative Education

Study of selected school systems. Social, religious, economic and other influences on education. Curriculum and teaching.

ART

Miss Stadelbauer and members of the staff of the Department of Fine Arts, Faculty of Arts and Science.

230. (35.) Principles of Design and Composition (1-4; 1-4)

E. N. YATES AND HELEN STADELBAUER

The study and practical application of principles of composition and picture-making, methods of construction in design, and the use of conventional and abstract forms.

Textbook: Rasmusen, *Art Structure*.

240. (40.) Fundamentals of Drawing (3-3; 3-3)

H. G. GLYDE AND N. YATES

Theory and practice of drawing; analysis of masters' drawings; study of line,

form, pattern, light and shade; portrait and figure construction; life drawing, using both long and quick poses.

Textbook: Nicolaides, *The Natural Way to Draw*

250. (42) Fundamentals of Painting (3-3; 3-3)

J. B. TAYLOR

Theory and practice of painting in oils; forms in space; analysis of line, pattern and form in painting; study of arrangements, both two-dimensional and three-dimensional; use of light and shade; application of pigments in both monochrome and color.

Prerequisite: Art 240.

300. (51.) Art History and Appreciation (3-0; 3-0)

J. B. TAYLOR

A general survey of architecture, painting and sculpture and minor arts in the following periods: Primitive, Egyptian, Greek, Etruscan, Roman, Byzantine, Celtic, Romanesque, Gothic and Italian Renaissance.

Analysis of compositions by the great masters of the various schools of painting.

Textbook: Gardner, *Art Through the Ages*.

330. (53.) Pictorial Composition (2-3; 2-3)

J. B. TAYLOR

Analysis of master compositions from the various schools of painting; theory and practice in arranging forms, both in the two-dimensional and in space; exercises in figure grouping; conventional treatment of natural forms for decorative painting; uses of various techniques.

Prerequisite: Art 230 (for Education students).

400. (61.) Art History and Appreciation (3-0; 3-0)

E. N. YATES

Survey of art in Europe from Renaissance to modern times.

Analysis of architecture, sculpture, painting and graphic arts of the following periods: Flanders and Germany, fourteenth to sixteenth centuries; Spanish, fifteenth to eighteenth centuries; Dutch, English and French, sixteenth to nineteenth centuries.

Modern schools, French, English, American, Canadian, etc.

Textbook: Gardner, *Art Through the Ages*.

450. (62.) Advanced Painting (2-4; 2-4)

E. N. YATES AND J. B. TAYLOR

Painting from the model: portrait, figure and costume; lectures on painting techniques used by the masters of the Renaissance and modern schools; theory and practice of applying pigments on various grounds in both direct and indirect methods.

Prerequisite: Art 250.

BOTANY

Staff of the Department of Botany, Faculty of Arts and Science.

205. Natural History of Alberta Plants (3-3; 3-3)

LORENE L. KENNEDY

Basic features of plant structure, development and classification. Life habits of important plant groups with special reference to native plants and plants of economic importance. Outstanding characteristics of the vegetation of Alberta.

DRAMA

Staff of the Division of Drama, Department of Fine Arts.

250. (35.) Elementary Acting and Stagecraft (3-3; 3-3)

F. BUECKERT AND G. PEACOCK

- (a) *Acting*: Practical and theoretical through improvisations, stage performance and discussion. Emphasis is placed on the development of the actor through preparation for a role, acting scenes, and basic speech and body work. Elementary makeup.
- (b) *Stagecraft*: Construction and painting of scenery; lighting; costumes; some reference to design.

Textbook: Milton Smith, *Play Production*.

300. (51.) History of the Theatre to Middle of Nineteenth Century (3-0; 3-0)

G. PEACOCK

Emphasizes production methods, the structure and background of plays and other theatrical productions. A considerable amount of outside reading will be assigned throughout the year, including the reading of plays and critical essays.

Textbook: Gassner, *Masters of the Drama*.

(Offered alternate years. Offered in 1960-61.)

350. (53.) Advanced Acting (3-3; 3-3)

G. PEACOCK

- (a) Further study and exercises in character creation, voice production, development of acting techniques.
- (b) 1. Practical work in major productions and one-act plays.
2. Training in the styles of acting: Contemporary, Restoration, Shakespearean, Greek.

Prerequisite: Drama 250.

360. (40.) Voice and Speech (3-0; 3-0)

F. BUECKERT

This is an introductory course in speech with emphasis upon oral interpretation. The first session will be devoted to a discussion of the importance of our spoken language, a study of the vocal mechanism and causes of poor phonation, and practice in the proper production of voice and speech. The second session will be concerned with the expression of personality through speech, audience psychology, oral interpretation and practice, with

some reference to other speech situations. Before registering in this course students must obtain the consent of the instructor.

400. (52.) The Modern Theatre (3-0; 3-0)

G. PEACOCK

The development of the modern theatre from Ibsen to the present day. The aesthetics of the theatre. A considerable amount of outside reading will be assigned throughout the year, including the reading of plays and critical essays.

Textbook: Gassner, *Masters of the Drama*.

(Offered alternate years. Not offered in 1960-61.)

450. (55.) Stage Direction (3-3; 3-3)

F. BUECKERT

(a) A study of the problems of play selection, casting, preparation of a script and conduct of rehearsals; techniques involved in production.

(b) Practical

1. Each member of the class is given the opportunity to work with the director of a major production in a responsible capacity.
2. In the second term the class will be responsible for the direction of several one-act plays.

Prerequisite: Drama 250.

Textbook: Alexander Dean, *Fundamentals of Play Production*.

ENGLISH

Staff of the Department of English, Faculty of Arts and Science.

200. (2.) A First Course in English Literature (3-0; 3-0)

MEMBERS OF THE DEPARTMENT

A close study of representative masterpieces, with some attention to the historical development of English literature. Essays and practice in setting down ideas in good English.

Texts: Chaucer, the General Prologue and selections from the *Canterbury Tales*; *Everyman*; Malory, selected tales; Marlow, *Dr. Faustus*; Shakespeare, *King Lear*; Jonson, *Volpone*; Spenser, *The Faerie Queene*, Book One; Donne, selected poems; Milton, *Samson Agonistes*, *Ode on the Morning of Christ's Nativity*, *Lycidas*; Dryden, selected poems and *An Essay of Dramatic Poesy*; Congreve, *The Way of the World*; Pope, selected poems; Swift, *Gulliver's Travels*; Addison and Steele, essays; Fielding, *Tom Jones*; Johnson, *Preface to Shakespeare*, *Life of Pope*; Boswell, selections from *The Life of Samuel Johnson*; Vallins, *Good English*.

230. (5E.) English Language and Literature (3-0; 3-0)

MEMBERS OF THE DEPARTMENT

English 5E is a course in English designed to increase appreciation of good literature and to instruct students in the basic principles of good essay writing. (Students who prefer a chronological or historical approach should take English 200).

Texts: *College Survey of English Literature* (Harcourt, 1951); Forster,

Passage to India; Shakespeare, *Othello* (Kittredge); Hodges, *Harbrace College Handbook* (4th Edition, Harcourt Brace).

398. (54.) Children's Literature (3-0; 3-0)

ALISON G. WHITE

A historical and critical study of literature written for children, with attention to the interaction between children's literature and educational theory. The course will bring to the attention of prospective elementary teachers some of the world's resources in good books for children.

Text: *The Arbuthnot Anthology of Children's Literature* (Scott Foresman Co.)

Prerequisite: English 200 or 230. This course is limited to B.Ed. students in the elementary route.

HOUSEHOLD ECONOMICS

Staff of the School of Household Economics.

202. (12.) Textiles and Clothing (3-3; 3-3)

F. M. T. ZINTEL

A study of the composition, manufacture and properties of fabrics, their use and care. The selection of clothing in relation to the individual. The use of commercial patterns in garment construction. Fitting. Sewing techniques as they apply to specific fabrics and to various types of garments.

Textbooks: *Textiles*, Hollen, N. and Saddler, J.

210. (11.) Foods and Nutrition (3-3; 3-3)

M. CAMPIQN

An elementary study of the composition and nutritive value of foods, with laboratory practice in food preparation, meal planning and service.

Textbook: Hughes, *Introductory Foods*.

350. (45.) Applied Art (3-3; 3-3)

A study of the principles of design and the theory of color. Creative problems including block printing, stencilling, stitchery, and other techniques. Historic styles of architecture and furniture and their relation to modern design. The planning of a contemporary house and its furnishings.

Textbook: *Art in Everyday Life*, Goldstein, H. and Goldstein, V.

450. (44.) Nutrition and Economics of the Household (3-3; 3-3)

The principles of nutrition applied to the feeding of the family. The history of family life; family relationships; standards of living; household production; the income and its expenditure; budgets; consumer education.

Prerequisites: H.Ec. 210 and Chem. 250 or 350.

Textbooks: *Basic Nutrition*, McHenry; *Family Finance*, Bigelow.

460. (46.) Advanced Clothing (3-3; 3-3)

The study of historic and contemporary costume design. The development of the foundation pattern. Flat pattern designing, draping and tailoring for selected garments and construction in appropriate fabrics.

Prerequisite: H.Ec. 202, and H.Ec. 350.

Textbook: *Clothing Construction*, Mansfield, E.

460Su. (46Su.) Advanced Clothing (3-3; 3-3)

The study of historic and contemporary costume design. The development of the foundation pattern. Flat pattern designing for selected garments and construction in appropriate fabrics.

Prerequisite: H.Ec. 202.

Textbook: *Clothing Construction*, Mansfield, E.

MUSIC

Dr. F. E. Churchley and members of the staff of the Department of Fine Arts, Faculty of Arts and Science.

200. (35 or 41) History of Music and Choral Technique (2-3*; 2-3*)

R. S. EATON AND F. E. CHURCHLEY

Elementary theory and practice of singing, choral technique and interpretation, sight singing and ear training. History of music. Introduction to form. Instruments of the orchestra. Assignments include one hour weekly of prescribed listening; records and scores are provided and the listening room is reserved at various times for small groups. Weekly reading will be assigned, part of it related to the listening.

Theory: The student will be required in February (of the session in which the course is taken), to pass an elementary examination in notation with 80% standing.

Textbooks: Staton, *Sweet Singing in the Choir*; Martin Bernstein, *An Introduction to Music*; Horwood, *Basis of Music*.

*Laboratory: Choral and listening.

Prerequisite: (a) Western Board of Music Grade III theory or equivalent, and
(b) Western Board of Music Grade V practical or equivalent.

250. (45) Elementary Harmony and Counterpoint (2-3*; 2-3*)

T. ROLSTON AND F. E. CHURCHLEY

Strict and free counterpoint in two and three parts. Diatonic harmony, including secondary sevenths. Modulation. Use of unessential notes of all kinds. Harmonizing of chorales in the style of Bach. A detailed study of musical form and analysis.

*Laboratory: Form; ear training and keyboard harmony; choral.

Textbooks: Dyson, *Musicianship for Students*, Book I; Macpherson, *Form in Music*.

300. (51) History of Music (2-3*; 2-3*)

R. S. EATON AND F. E. CHURCHLEY

A study of the history of music from the year 1600 to 1900. Scores and recordings of music are provided. A critical evaluation of the styles of the various composers is emphasized. Detailed study of form and analysis.

*Laboratory: Listening; choral.

Textbooks: Finney, *A History of Music*; Macpherson, *Form in Music*.

Prerequisite: Music 35 or 41 or 200 or equivalent.

301. Instrumental Technique (0-2; 0-2)

A class in the study of brass, woodwind and stringed instruments as applied to band and orchestral groups. B.Ed. students must study this course concurrently with Music 300.

PHYSICAL EDUCATION

Members of the staff of the School of Physical Education.

200. (102.) Physical Education in the Elementary Grades (1-2; 1-2)

A. M. CARSON

The theory, practice and teaching of physical education in the primary and elementary grades. Activities will include games of low organization, story plays, simple team games, folk dancing, rhythmic, self-testing stunts, tumbling and pyramid building.

201. Physical Education for Grades VII to XII (0-2; 0-2)

A. F. AFFLECK, A. M. CARSON, M. F. SMITH

An introduction to the theory and practice of physical education in the junior and senior high schools. Theory will include the purposes of physical education, principles of efficient movement, principles of learning as applied to physical education, the organization of lesson plans, yearly programs, including intramural and interscholastic programs, and special events. Activities will include fitness and conditioning exercises, soccer, track and field, volleyball, basketball, hockey and skating, social and folk dance, apparatus, stunts and tumbling.

203. (101.) Physical Education for Grades I to IX (0-2; 0-2)

PHYSICAL EDUCATION STAFF

An introduction to the theory and practice of physical education in the elementary and junior high school. Theory will include the purposes of physical education, mechanical principles of efficient movement, physiological principles of learning as applied to physical education, the organization of lesson plans, yearly programs, tournaments and special events such as play days. Activities will include games of low organization, lead-up games, stunts and tumbling, rhythmic, social and folk (including square) dancing, volleyball, soccer and track and field.

209. (109.) Activity Course (For Education Majors and Minors only) (0-0; 0-3)

P. AUSTIN

Theory, practice and teaching of rhythmic, social and folk dancing, badminton, and volleyball.

Prerequisite or corequisite: Physical Education 201.

212. (106.) Activity Course (For Physical Education Majors Only) (0-3; 0-3)

PHYSICAL EDUCATION STAFF

Theory, practice and teaching of football, basketball, tumbling and apparatus for men, and skating, basketball, tumbling and apparatus for women.

243. (103.) Introduction to Physical Education (3-0; 0-0)

M. L. VAN VLIET

A survey of the field of physical education, with emphasis on factual information directed toward the development of a scientific program. This course will include a brief study of the history of physical education as well as underlying philosophies.

295. (105.) School Health Education (2-0; 2-0)

A. W. E. ERIKSSON AND J. FRACHE

Principles of teacher, pupil and classroom health. Interpretation of the health programs for the elementary and junior high schools.

324. (224.) Activity Course (For Education Majors and Minors only) (0-3; 0-3)

PHYSICAL EDUCATION STAFF

Theory, practice and teaching of softball, archery, track and field, and soccer. Principles of officiating.

392. (202.) Public and Personal Health Problems (3-0; 3-0)

A. W. E. ERIKSSON

Background of health knowledge for the high school course, with emphasis on provincial and national health problems. Nutrition, sanitation and recent developments in the field of health. Personal health problems of the high school age group. First aid.

442. (302.) Organization and Administration of Health and Physical Education (3-0; 3-0)

M. L. VAN VLIET

An analysis of factors involved in planning, directing, staffing, co-ordinating, budgeting and reporting with respect to comprehensive junior and senior high school programs in health instruction, the required program, intramural sports and interscholastic athletics.

Prerequisite: Phys. Ed. 243.

NOTES: 1. In the Summer Session of 1960 and alternate years, the following courses will likely be offered: P.E. 212 and P.E. 442.

2. In the Summer Session of 1961 and alternate years, the following courses will likely be offered: P.E. 243, P.E. 209, and P.E. 324.

ZOOLOGY

Members of the staff of the Department of Zoology, Faculty of Arts and Science.

222. (5Su.) Natural History of Alberta Animals (3-3; 3-3)

TO BE ANNOUNCED

Identification and natural history of the more common vertebrate and invertebrate animals found in Alberta; outline of classification; methods of collection and preservation; care of captive animals; other aspects of natural history techniques.

(Summer Session Only.)

XIV—SPECIAL CERTIFICATES IN OPTIONAL SUBJECTS

Special certificates in art, business education, dramatics, home economics, industrial arts, primary, music, and physical education are available under conditions set out in the following pages. At some levels, special certificates are required.

In many instances requirements may be met in the course of regular programs leading to the B.Ed., M.Ed., Ed.D. or Ph.D. degrees.

In the tables on the following pages all special certificates are listed, together with the credit requirements. For greater detail regarding special certificates in Administration, Guidance and Business Education, see Section XII.

SPECIAL CERTIFICATES

Subject and Certificate	Requirements for Certification
ADMINISTRATION—	Ed. 525, Ed. 559, Ed. 561, Ed. 563, plus two senior or graduate courses in Arts or Education as approved by the Division of Educational Administration with a mark of 65 or better required in each course or half course; a permanent professional teaching certificate.
ART—	
Junior	Ed. 151 or Ed. 251 or Ed. 252 or the art section of Ed. 280S and Art 230.
Senior	Junior Certificate plus Art 300 or Art 400 and Art 330.
BUSINESS EDUCATION—	
Junior Certificate	Accounting 200. Ed. 246 with Ed. 345, or Ed. 346. Ed. 248 with Ed. 347, or Ed. 348. The Junior Certificate qualifies the holder to teach all typewriting, stenography and bookkeeping options to the end of Grade XII.
Senior Certificate	The requirements for the Junior Certificate and Education 350 and Commercial Law. The Senior Certificate qualifies the holder to teach all business education options of the high school program.
Advanced Certificate	The B.Com. degree and the Senior Certificate in Business Education.
DRAMATICS—	
Junior	Ed. 255 or the drama section of Ed. 280S, and Drama 250.
Senior	Junior Certificate plus Drama 450 and one of Drama 300, 350, 400 or Ed. 436.
GUIDANCE—	
Junior	Ed. 276; Ed. 308 or 310; one of Ed. 310 or 308, 474, 478; permanent teaching certificate.
Senior	Junior certificate; Ed. 474-574 or 510; Ed. 508 or 526; Ed. 478 and 576, or Math. 255 and Ed. 578; permanent professional certificate; two years' experience as a counsellor.
HOME ECONOMICS—	
Junior	H.Ec. 202 and H.Ec. 210
Senior	Two of H.Ec. 350, 450, 460 in addition to the requirements for the Junior Certificate.
Advanced	Teacher's certificate carrying Grade XII teaching privileges, together with B.Sc. in H.Ec. degree.

SPECIAL CERTIFICATES

Subject and Certificate	Requirements for Certification
MUSIC—	
Junior	Ed. 153 or 253 or Ed. 254 or the music section of Ed. 280S, and Music 200.
Senior	Junior Certificate plus Music 250 and Music 300.
PHYSICAL EDUCATION—	
Junior	Phys. Ed. 200, 201 or 203, 209, 243, 295, 324.
Senior	Phys. Ed. 442, P.E. 312, plus the Junior Certificate.
Advanced	B.Ed. in Physical Education degree or B.P.E. degree and appropriate general certification up to and including the Grade XII level.
PRIMARY—	
	(a) Ability to play the piano with sufficient skill to satisfy ordinary demands when teaching songs and rhythms.
	(b) Ed. 276 or equivalent.
	(c) Ed. 284, 286 and 288; or 280E; or successful teaching experience in the primary grades.
	(d) Art 230, Ed. 252 or equivalent.
	(e) Music 200, Ed. 254 or equivalent.
	(f) English 398 (Children's Literature).
	(g) One of Ed. 322A or Ed. 324.
	(h) One of Ed. 324, 328, 224, 322A.

Note: For information concerning the special certificates required for the teaching of specific high school subjects, teachers should consult the current editions of the junior high school and senior high school handbooks.

CERTIFICATION OF INDUSTRIAL ARTS TEACHERS

Grade of Certificate	Requirements for Certification	Teaching Validity
JUNIOR CERTIFICATE IN INDUSTRIAL ARTS	(a) Credit in Ed. 241A, 242B, 242C, 242D.	Industrial Arts options in Grades VII to XII.
SENIOR CERTIFICATE IN INDUSTRIAL ARTS	(b) Credit as for Junior Certificate plus Ed. 242F, and two of 342B, 342C, 342D.	Industrial Arts options in Grades VII to XII.
ADVANCED CERTIFICATE IN INDUSTRIAL ARTS	(c) Credits equivalent to shop courses of regular B.Ed. (I.A.) program (10 courses).	Industrial Arts options in Grades VII to XII.
SPECIALIST SENIOR CERTIFICATE IN A UNIT SHOP SUBJECT	(d) For students registered in Route 2: completion of the Special second year.	Unit shop option in the field of specialization for Grades VII to XI.
	(e) For students registered in Route 3: completion of the approved second year for graduates of the Institute of Technology and Art.	Unit shop option in the field of specialization for Grades VII to XI.
	(f) For students registered in Route 1: completion of the third year with specialization in a unit shop subject.	Unit shop option in the field of specialization for Grades VII to XII.
SPECIALIST ADVANCED CERTIFICATE IN A UNIT SHOP SUBJECT	(g) For students registered in Route 2: possession of Journeyman's qualifications and completion of the Special third year.	Unit shop option in the field of specialization for Grades VII to XII.
	(h) For students registered in Route 3: possession of Journeyman's qualifications and completion of the approved third year for graduates of the Institute of Technology and Art.	Unit shop option in the field of specialization for Grades VII to XII.
	(i) For students registered in Route 1: possession of Journeyman's qualifications and completion of the third year with specialization in a unit shop subject.	Unit shop option in the field of specialization for Grades VII to XII.

NOTES:

1. Special subject certificates are issued only to holders of the appropriate general teaching certificates. (Junior E, Standard E, Standard S, or Professional.) The latter control the grade level to which any teacher is licensed to teach.
2. A candidate for a non-specialist certificate will ordinarily enrol in the secondary B.Ed. program, with a major in Industrial Arts.
3. A candidate for a specialist certificate should hold a journeyman's qualification recognized by the Alberta Apprenticeship Board, or become a registered apprentice early in the training program.

XV—ACADEMIC AWARDS AND FINANCIAL ASSISTANCE

GENERAL INFORMATION

Students of high ability are urged to study the terms of these awards and, if necessary, to consult the Administrator of Student Awards.

For Matriculation and Graduate awards and awards made by other Institutions see the University Awards Calendar.

For details of Provincial Government assistance, including Scholarships, Grants, Loans, Bursaries, etc. refer to section Provincial Government Assistance on p. 102.

In order that awards be equitably distributed, no student may hold more than one major scholarship award in a given year.

Application forms for bursaries and scholarships which require application may be had from the Administrator of Student Awards. For undergraduates the due date is June 15. The due date for graduate scholarships is March 1.

Dates of Publication of Awards—Awards restricted to graduating or graduate students will be announced at Convocation in May. Awards for undergraduates will normally be announced in the first week of June, except those requiring application by June 15 or August 1, which will be announced respectively in the first week of July and the first week of September.

All cash awards to matriculants and undergraduates are contingent upon the student's proceeding with his university course and are payable only when the student is in actual attendance at the University. The payment of fees is a first charge against such awards.

The University assumes liability for the payment of fellowships, scholarships, bursaries, prizes and other awards only to the extent that gifts from donors or returns from particular investments for these purposes will permit.

UNDERGRADUATE AWARDS — GENERAL

The following prizes, scholarships and bursaries are available to students in any faculty of the University:

University of Alberta Honor Prizes—The Board of Governors of the University offer annually a prize to the value of \$50.00 to each undergraduate student in a degree or diploma course who, in the work of the preceding year at the University of Alberta, obtained an average standing of at least 85%. This includes students in the graduating year who return to the University for further studies.

University of Alberta First Class Standing Prizes—The Board of Governors of the University offer annually a prize to the value of \$25.00 to each undergraduate student in a degree or diploma course who, in the work of the preceding year at the University of Alberta, obtained an average standing from 80% to 84%. This includes students in the graduating year who return to the University for further studies.

University of Alberta War Memorial Scholarships—The War Memorial Fund of the University of Alberta will provide one or more scholarships of \$650.00 to be

awarded for study in a degree program at the University of Alberta on the basis of scholastic ability and financial need and according to the following priorities: (1) to a son or daughter of a member of the armed forces or merchant navy who has lost his or her life during, or as a direct result of, hostilities in the War of 1939-45; or (2) to the son or daughter of a member of the said forces or merchant marine who was seriously incapacitated either physically or mentally; or (3) to the son or daughter of any man or woman who served in any of His Majesty's or Allied forces during 1939-45. Failing the receipt of applications from the above-mentioned groups, consideration will be given to applications from (4) sons or daughters of native or naturalized Canadians domiciled in Alberta.

This scholarship is available to matriculants and undergraduates.

Applications should reach the Administrator of Student Awards by August 1.

Province of Alberta Undergraduate Scholarships—The Province of Alberta, under the Students Assistance Act, has made possible the establishment of three hundred undergraduate scholarships of \$100 each to bona fide residents of Alberta. The basis of award is academic attainment provided that the average mark of the previous year shall be at least 75%. The scholarships are tenable at the University of Alberta. They are also tenable at an approved college or university when the course being taken is of university level and is not available at the University of Alberta.

The amount of the scholarship may be increased according to the financial need of the student, to a maximum which may in some cases be as high as \$1,250.

Apply to Administrator of Student Awards, University of Alberta on or before June 30. Applications received after June 30 will be considered in order of receipt. Application must be made on the Provincial Government form.

Application may be made for the basic \$100 without evidence of financial need. If the application is for more than \$100, the form must be filled in completely in order to indicate the amount of financial need.

The Canadian Legion Scholarship, valued at \$400.00, is offered by the Dominion Command of the Canadian Legion, B.E.S.L., for study in a degree program at the University of Alberta on the basis of scholastic ability and financial need, and according to the following priorities: (a) to a son or daughter of a member of the armed forces or merchant navy who lost his or her life during, or as a direct result of, hostilities in the War of 1939-45; or (b) to the son or daughter of a member of the said forces or merchant marine who was seriously incapacitated either physically or mentally; or (c) to the son or daughter of any man or woman who served in any of His Majesty's or Allied forces during 1939-45. Failing receipt of applications from the above-mentioned groups, consideration will be given to applications from (d) sons or daughters of native or naturalized Canadians domiciled in Alberta.

Preference will be given to matriculants or to students who have completed the first year at University.

Applications should reach the Administrator of Student Awards by August 1.

The Viscount Bennett Prizes and Scholarships—The late Right Honorable Viscount Bennett, P.C., K.C., LL.D., D.C.L., of Calgary and Mickelham, founded a trust to support prizes and scholarships open to students who have resided for

at least five consecutive years in Calgary, or within twenty miles of that city, or in Banff National Park.

Twelve scholarships of the value of \$300.00 each will be available for competitive award on the basis of academic attainments, provided always that candidates are, in the opinion of the Committee of Award, of good character and possessed of satisfactory personal qualities.

The scholarships may be held in any year and course, but preference may be given to students who have successfully completed one or more years of university work. However, at least three of the scholarships are reserved for matriculants.

Applications from undergraduates should reach the Administrator of Student Awards by June 15.

The Robert Tegler Special Scholarships—The Robert Tegler Trust has provided two special scholarships for handicapped students, tenable in any faculty to which the student can be admitted, and available to new students or continuing undergraduates. While due weight will be given to the academic record of candidates, special consideration will be given to their background, financial need, nature of handicap, personal qualities, and other relevant points.

The scholarships may be awarded to the same students a second time, or even throughout the whole undergraduate course if, in the judgment of the committee, progress and other circumstances are such as fully to warrant it.

The value of each scholarship will be equal to the annual fees in the faculty concerned, plus a subsistence allowance of \$300.00 for the academic year.

Applications should reach the Administrator of Student Awards by August 1.

The City of Calgary Scholarships—Scholarships of \$500.00 each are offered annually by the City of Calgary to Calgary students. Six of the scholarships will be offered to students in any faculty entering their first session, and two to students in any faculty entering their second session. The awards will be made on the basis of proficiency and financial need. The students who win these scholarships will be given free choice in selection of university to be attended.

Written applications setting forth the financial ability of the home and other pertinent information should be received by the City Clerk, Calgary, by August 1, on forms available at the office of the City Clerk or the City Comptroller, Calgary.

City of Edmonton Scholarships—Six scholarships of the value of \$300.00 each are offered annually by the City of Edmonton, on the basis of academic standing and financial need, to students attending the University of Alberta. Two of these scholarships shall be available to students matriculating into the University and four to undergraduate students entering other years in any faculty. Three of them, one matriculation and two other scholarships, are restricted to students who have attended Edmonton schools from Grade VII to Grade XII.

Written applications should be received by the City Clerk, Edmonton, by August 10. Application forms are available at the office of the City Clerk or the City Comptroller, Edmonton.

The William Asbury Buchanan Bursary—The annual income of \$100.00 from a trust created by the will of the late Senator William Asbury Buchanan will be expended in paying part of the tuition of a student whose home is in the

Lethbridge Public School District, the Lethbridge Separate School District or the Lethbridge School Division. Selection of a recipient of this bursary will be made on the basis of intellectual attainment, athletic ability, useful activity in student affairs, and financial need.

The award, which is open to a student in any faculty, is tenable at the University of Alberta for matriculants or undergraduates, and either at this or another university for graduate studies.

Applications should reach the Administrator of Student Awards by August 1.

The Procter and Gamble Student Bursary Fund, of a total annual value of \$1,500, has been set up by the Procter and Gamble Company of Canada, Limited, to benefit students in any Faculty or year who are in need of financial assistance in order to continue their studies.

Students eligible for grants from this fund must have completed at least one year at University and have obtained an overall average of 65% or more. They must expect to remain in Canada, and it is hoped that when they are in a financial position to do so they will contribute to the general bursary funds of the University, so that other students in turn may be helped.

Applications should reach the Administrator of Student Awards by June 15.

The Samuel J. McCoppen Bursaries—Under the terms of the will of the late Samuel J. McCoppen, \$1,200.00 will be available each year for deserving students who cannot, without some financial assistance, complete a university course. A few bursaries, of amounts depending on the individual circumstances of applicants, will be awarded annually to students *who have completed the first or second year of attendance at the University of Alberta*. The basis of award will be financial need and scholastic standing.

Applications should reach the Administrator of Student Awards by June 15.

The Women's Canadian Club of Edmonton Bursary, valued at \$100.00, is awarded annually to a new Canadian undergraduate student who has successfully completed at least one year in any faculty or school at the University of Alberta. For the purposes of this award, a new Canadian is any person who has been resident in Canada for less than five years (whether his native language is English, French or foreign) except where a previous recipient applies, in which case application may be made beyond the five-year period. The award will be made primarily on the basis of financial need, provided that the applicant has obtained a satisfactory academic record and shows promise for the future. Payment of the award shall be contingent upon the student proceeding with his university course, and shall be made only when the student is in actual attendance at the University. The bursary may be awarded to the same student any number of times if, in the opinion of the Committee on Scholarship and Prize Awards, he fulfills the requirements stated above.

Applications should reach the Administrator of Student Awards by June 15.

The Reg. Lister Trophy and Prize. The trophy and a cash prize of \$50.00 will be presented annually to the undergraduate student who, during the previous academic session, lived in the University of Alberta Men's Residences and had the highest academic standing of all students so resident.

The Joseph Dolson Oliver Mothersill Memorial Scholarship of the value of \$175.00 is awarded annually to a student selected for outstanding contribution to student life in the University, especially through good citizenship and active support of student government.

The Florence E. Dodd Prize of \$50.00 is awarded annually to a woman student selected for satisfactory academic work and outstanding contribution to student life in the University through active participation in extracurricular activities.

Block A Club Athletic Scholarship of the value of \$100.00 is offered by the Block A Club to a first year male student deemed outstanding in intercollegiate athletics.

The basis of the award will be athletic achievement and satisfactory academic standing (not less than 65%) as determined by all term examinations held prior to Colour Night. The award will depend on the student entering the second year at the University of Alberta.

Selection will be made by a committee appointed by the Block A Club.

UNDERGRADUATE AWARDS — FACULTY OF EDUCATION

The Clarence Sansom Memorial Gold Medal in Education is offered annually by the Alberta Teachers' Association to the student who has shown highest general proficiency in the final year of the Bachelor of Education program.

The Clarence Sansom Scholarship in Education (see Graduate Awards).

The Board of Governors of the University Scholarship, of the value of \$100.00, is awarded on the basis of the work of the first year in Education, provided that an average of not less than 75% be obtained in the work of the year.

The University Scholarships in Education to the value of \$100.00 each are offered to students in a full program who have completed the first year in the Elementary Route of the degree course in Education. The awards will be made to the three students with the highest average standing, provided that this average does not fall below 75%.

Alberta Teachers' Association Scholarships to Students in Education. Four scholarships, in honor of Honorary Life Members of the Association, in the amount of \$500 each, are offered annually by The Alberta Teachers' Association to intramural students proceeding from the third to the fourth year of the Bachelor of Education program. The applicants for these scholarships must be bona fide residents of Alberta. Each must have a minimum average of 70 per cent and must give evidence of intention to follow teaching as a career. The scholarships are payable upon registration for intramural study in the fourth year of the Bachelor of Education program, Faculty of Education, University of Alberta, provided that study is continued at the next regular winter session of the University of Alberta following the award. Application should be made to the General Secretary, Alberta Teachers' Association, Barnett House, Edmonton, not later than May 15.

Alberta Teachers' Association Scholarships to Teachers in the Field — Four scholarships, in honor of Honorary Life Members of the Association, each in the amount of \$500, are offered annually by the Alberta Teachers' Association

to teachers in the field who, having completed three years of training and holding a permanent Alberta teaching certificate, are proceeding to the fourth year in the Bachelor of Education program. Applicants for these scholarships must be bona fide residents of Alberta, must have a minimum average of 70 per cent, and must give evidence of intention to follow teaching as a career. The scholarships are payable upon registration for intramural study in the fourth year of the Bachelor of Education program, Faculty of Education, University of Alberta, provided study commences within one year after the award is made. Application should be made to the General Secretary, Alberta Teachers' Association, Barnett House, Edmonton, not later than May 15.

The Renkenberger Scholarship, of the value of \$250 per year, provided under the terms of the will of the late Harvey Renkenberger of Barons, Alberta, will be awarded to a student who is especially interested in cooperative marketing. The selection will be based on academic record, ability in public speaking and participation in youth and cooperative activities.

The recipient must include at least one senior course in economics in his program of studies, preferably in agricultural economics or marketing, and must advance the principles of cooperation, on the conclusion of his university studies, as far as lies in his power.

The scholarship is open to students in any year in the Faculties of Agriculture, Arts and Science or Education, or in the School of Commerce. Subject to satisfactory progress, the award may be renewed year by year for a period not exceeding four years in all.

Application forms may be obtained from the Administrator of Student Awards and should be completed and returned by August 1.

The Edmonton Jewish Community Council Scholarship, of the value of \$100.00, is offered annually to the student of outstanding merit in the second year of the general B.Ed. with options in Household Economics. If no suitable candidate is found in this course, the scholarship will be awarded to the student of outstanding merit in the second year of any general B.Ed. program.

The P.E.O. Southern Alberta Scholarship in Education, of \$100.00, tenable at the University of Alberta, is open to the woman student at the University of Alberta in Calgary who achieves the best record in the first or second year of the secondary route of the Bachelor of Education program. To be eligible, a student must have an average of at least 70% in the year's work and a generally satisfactory performance.

The Calgary Section of the Council of Jewish Women offers annually a scholarship of the value of \$100.00 to the man or woman student who makes the highest standing in the first year of the Faculty of Education, Calgary, Elementary Route Program, and who will proceed to a second year in the next university session, provided that an average of not less than 75% be obtained on the work of the year.

The First-Year Scholarship of the Education Society of Edmonton—The Education Society of Edmonton offers annually a scholarship of \$100.00 to the student completing the first year of a course of studies leading to the Bachelor of Education degree who, in the opinion of the Faculty of Education, gives evidence of greatest

academic and professional promise. In making this award the faculty will consider not only scholastic standing, but also all other factors indicative of professional capacity which it deems significant. The payment of this prize will be contingent upon entrance into the second year of the course for the B.Ed. degree.

The Friends of the University Bursaries in Education—The Friends of the University have provided two bursaries of \$100.00 each for students who have completed the first year and are entering the second year of the Faculty of Education. The awards will be made on the basis of proficiency and of financial need. Applications for these bursaries should be received by the Administrator of Student Awards by June 15.

The Education Book Prize to the value of \$15.00 is offered by the Education Undergraduate Society. This prize will be awarded to the student who has shown the greatest general proficiency and professional promise in the third year of the Faculty of Education.

The Fuller Brush Company Scholarships in Art—Two scholarships of \$200.00 each are awarded to students of outstanding merit who are entering either the second or third year of the Art pattern in the Faculty of Arts and Science or the third or fourth year of the Faculty of Education, majoring in Art, provided that such students are registered in a full year's program.

The Lerner Scholarship in Drama—A scholarship of \$100.00 is offered annually by Mr. A. I. Lerner, in memory of his son, Irving Lerner. It is awarded to a student of outstanding merit enrolled in Drama 350 (Advanced Acting). To be eligible, a student must be majoring in Drama in the Faculty of Arts and Science or Education. The payment of this scholarship will be contingent upon the student's entering a further year of training in drama either at the University of Alberta or at another recognized college or university.

The Olive M. Fisher Prize of \$50.00 is offered by Dr. Olive M. Fisher to a woman student at the University of Alberta in Calgary for outstanding merit in practice teaching in the second year of the B.Ed. program, elementary route, provided that her course of studies has not been interrupted by a year or more of teaching in the schools.

The Edmonton Home Economics Association Prize to the value of \$25.00 in books is awarded annually to the graduating student in the Faculty of Education who obtains the highest average in any two of the following courses in Household Economics: Household Economics 450, 350 and 460, provided that the student's record is otherwise satisfactory to the Faculty Council.

The J. E. Olson Prize, of the value of \$35.00, is offered to the graduating student who has taken the highest average mark in two or more senior botany courses, provided that the student's general record is satisfactory to the Faculty Council.

GRADUATE AWARDS IN EDUCATION

The Clarence Sansom Scholarship in Education in the amount of \$500 is offered annually by the Alberta Teachers' Association to the winner of the Clarence Sansom Memorial Gold Medal in Education. The Scholarship is payable upon registration for intramural graduate study in the Graduate School of a university of recognized

standing, provided that such study be commenced not later than two years following the award.

John Walker Barnett Scholarship in Education, Milton Ezra LaZerte Scholarship in Education. These scholarships, in the amount of \$500 each, are offered annually to students who, having graduated with a Bachelor of Education degree from the University of Alberta, are proceeding to graduate work. Each applicant must be a bona fide resident of Alberta. He must give evidence of superior academic and professional promise, capacity for leadership, and intention to follow teaching as a career. The scholarship is payable upon registration for intramural study in the graduate school of a university of recognized standing, provided that such study be commenced not later than two years following the award. Application should be made to the General Secretary, Alberta Teachers' Association, Barnett House, Edmonton, not later than May 15.

The Du Pont Company of Canada Limited offers a scholarship of \$1,500 to be awarded to either (1) a graduate or graduating student in an honors course in science or mathematics, or in a course in which science or mathematics has been a major subject, and who agrees to enrol for training as a secondary school science or mathematics teacher; or (2) a science or mathematics specialist already teaching in the secondary school and whose ability to teach science or mathematics would be improved by a year's postgraduate work. Both men and women are eligible. The scholarship is increased by \$600 if the student is a married man. A supplementary grant of \$300 will be paid to the university.

Detailed information and application forms are available from the office of the Dean, Faculty of Education, University of Alberta. Applications will be received at the same office until June 15.

The Alberta Teachers' Association Fellowship in Education of \$2,400 is offered to residents of Alberta, who are members of the Alberta Teachers' Association, who are admitted to the Faculty of Graduate Studies of the University of Alberta for intramural study at a regular winter session on a doctoral program in education. This fellowship is open to students enrolled for doctoral work in any one of the four divisions of the Faculty of Education. Application forms are obtainable from the General Secretary, Alberta Teachers' Association, Barnett House, Edmonton, and should be returned by March 15.

FELLOWSHIPS SPONSORED BY THE CANADIAN EDUCATION ASSOCIATION

The Imperial Oil Company Limited Fellowship in Educational Administration of \$2400.

The Canadian Text Book Publishers Fellowship in Educational Administration of \$2400.

The International Nickel Company of Canada Limited Fellowship in Educational Administration of \$2400.

The above fellowships, sponsored by the Canadian Education Association, are tenable at the University of Alberta by graduate students working at the Master's or Doctor's level. Application for these fellowships should be made on forms

available from the Chairman, Division of Educational Administration, Faculty of Education, University of Alberta by March 1.

The W. K. Kellogg Foundation Fellowships in Educational Administration—A number of fellowships in amount up to \$2,400 are donated by the W. K. Kellogg Foundation, Battle Creek, Michigan. These are tenable at the University of Alberta by graduate students working at the Master's or Doctor's level. Successful applicants will also receive travel assistance to help defray the cost of transportation to Edmonton and to cover expenses involved in field projects. Applications accompanied by transcripts of academic record and the names of three suitable references should be sent to Dr. A. W. Reeves, Chairman, Division of Educational Administration, Faculty of Education, University of Alberta by March 1.

The Carnegie Corporation Fellowships in Educational Research—Three fellowships, two of \$2500 and one of \$1500, donated by the Carnegie Corporation, are tenable at the University of Alberta by graduate students working at the Master's or Doctor's level in Educational Research. Applications accompanied by transcripts of academic record and the names of three suitable references should be sent to the Dean, Faculty of Education, University of Alberta by March 1.

PROVINCE OF ALBERTA ASSISTANCE

I. Department of Education

Under the Students Assistance Act (The Queen Elizabeth Education Scholarship Fund) assistance in various forms is available to University students. Those of interest to students in the Faculty of Education are as follows:

Province of Alberta Undergraduate Scholarships

Three hundred scholarships are provided for undergraduates with academic standing of 75% or better. For details refer to page 95.

Grants and Loans

These are available on a basis of financial need only.

Grants depend on the academic standing of the previous year which must be at least 60%.

Loans may be granted either in conjunction with, or separately from, grants. A standing of at least 50% must have been obtained in the previous year.

Application dates for Grants and Loans

Students who anticipate that they will need financial assistance any time during the session should apply by October 1. However, further applications will be received by January 3, from students who could not anticipate their needs in October.

Only in cases of emergency can applications be considered after January 3.

Students should note that payment of Grants and Loans will not be available for six to eight weeks after the date of application and should plan their financing accordingly, especially with reference to payment of fees.

Application should be made to the Administrator of Student Awards on the Provincial Government form.

Education students may apply for the above assistance in addition to the special assistance listed below, except that students deficient in senior matriculation are not eligible for Provincial scholarships or grants as described above.

GOVERNMENT ASSISTANCE FOR TEACHER EDUCATION

Junior E, Standard E, and Standard S programs.

Students in the Junior E program and in the first and second years of the Standard E and Standard S programs may apply for a tuition grant to cover fees (exclusive of Student Union fees).

Students in receipt of such grants shall undertake to render one year of teaching service in Alberta for each grant received. This service shall be made immediately on receipt of a teaching certificate unless the student proceeds to further training. Default of such undertaking shall make the grant or grants repayable to the province.

Applications should be made to the Co-ordinator of Teacher Education, Department of Education, Administration Building, Edmonton, by September 30.

Third and Fourth Years of a Bachelor of Education Program

A maximum of fifty tuition grants shall be awarded in each of the third and fourth years of the Bachelor of Education program. Recipients of tuition grants shall undertake to render one year of teaching service in Alberta in public or separate schools, for each grant received. This service shall be rendered immediately following the completion of the fourth year, or of the third year if the student does not enrol for the fourth year immediately following the completion of the third year. In the event of failure to render such teaching service, the grant shall become a debt payable to the Province of Alberta.

Application for these grants should be made to the Co-ordinator of Teacher Education, Department of Education, Administration Building, Edmonton, on or before September 30.

Tuition Grants for Graduates of other Faculties or other Universities

A maximum of 50 Tuition Grants will be granted by the Government of Alberta to graduates of the University of Alberta or of other Universities. Candidates must elect a program of teacher education in the Faculty of Education at the University of Alberta, leading to certification to teach at the senior high school level, and must undertake to teach at high school level in the public or separate school system of Alberta for one year following the completion of a year of training in the Faculty of Education or to refund the grant.

Application forms are available at the office of the Co-ordinator of Teacher Education, Administration Building, Edmonton.

Applications should be attached to the University Registration form and sent to the Dean, Faculty of Education, University of Alberta, Edmonton.

Summer Session Grants for Certificated Teachers

A maximum of 250 Summer School Grants, each of \$100, will be payable to applicants who shall be teachers, not in possession of a university degree, who hold at least a Standard S teaching certificate based on a minimum of two years of professional training, or who can, in one summer session of work, qualify for

a Standard S Certificate. Each applicant must be recommended for assistance by a superintendent or a high school insepctor. Each applicant must be approved by the Dean of the Faculty of Education as to academic standing.

Except in special circumstances, the student shall normally enroll in two summer session courses, at least one of which shall be an Arts and Science option.

Each student shall undertake to teach in Alberta at Senior High School level for one year immediately following completion of the summer session, or refund the grant to the Province.

Applications should be attached to the University Registration form and sent to the Dean, Faculty of Education, University of Alberta, Edmonton.

II. Department of Provincial Secretary

Scholarships at various levels of study are available in Drama, Handicrafts, Librarianship, Music and Recreation (including Fine Arts, Psychology and Sociology). For further information apply to Administrator of Student Awards or direct to, Department of Provincial Secretary, Cultural Activities Branch, 425 Legislative Buildings, Edmonton.

OTHER FORMS OF FINANCIAL ASSISTANCE IN EDUCATION

The Alberta Teachers' Association Loans

The Alberta Teachers' Association has established a fund to provide loans to teachers who hold a permanent Alberta Certificate and who are in need of financial assistance to continue their preparation as teachers through intramural study. Applications will normally be considered during the months of May and September. Applications to be dealt with in May must be received by May 15. Applications to be dealt with in September must be received by August 31. Special applications may be considered during the University year.

If the loan fund is inadequate to meet all demands made upon it, priority will be given to applications in May. Inquiries and applications should be made to the General Secretary, Alberta Teachers' Association, Barnett House, Edmonton.

Local School Board Assistance

Some local School Boards provide grants or loans to students in teacher education programs. Students should inquire of their own principal or local School Board office.

Leonard Foundation Scholarships

The income of a trust created by the late Lieut.-Col. and Mrs. R. W. Leonard, St. Catharines, Ontario, will be expended in paying part of the college expenses of selected students at several institutions in Canada, including the University of Alberta, for from one to four years. The details of qualification and the procedure of application for these scholarships may be secured by corresponding with the trustees of the Leonard Foundation, the Toronto General Trusts Corporation, Toronto, Ontario, or with the Administrator of Student Awards of the University of Alberta. It is desirable that applications be filed in January as the last date for their receipt in Toronto is March 31 of each year.

Children of War Dead (Education Assistance) Act

This Act provides fees and monthly allowances for children of veterans whose death was attributable to military service. Enquiries should be directed to the nearest district office of the Department of Veterans' Affairs.

R.C.A.F. Benevolent Fund

The Royal Canadian Air Force Benevolent Fund has made provision for loans for the benefit of former R.C.A.F. personnel or their dependents. Information may be obtained from the Administrator of Student Awards.

The P.E.O. Educational Loan Fund

This fund has been established by the P.E.O. Sisterhood for the purpose of assisting young women, properly and satisfactorily recommended and desiring to complete their higher education with a view to becoming self-supporting.

Loans are not made for a longer term than five years. They shall not exceed \$500.00 to any applicant for one year of study or \$1,000.00 for two or more years of study. The rate of interest is 3%. Since arrangements for loans require considerable time, applications should be placed as early as possible, preferably by August 1.

Further information concerning this loan fund may be secured from the Administrator of Student Awards.

UNIVERSITY OFFICER TRAINING UNITS

The Regular Officer Training Plan

Introduction

The Regular Officer Training Plan (ROTP) is in operation in the Canadian Services Colleges and in Canadian universities. The plan is a form of mutual assistance to the armed forces and to young Canadians seeking advanced education.

The expanding defence program at home and abroad has created a demand for a large number of officers for the three armed services to meet current and future requirements. The Royal Canadian Navy, the Canadian Army, and the Royal Canadian Air Force have previously met their career officer requirements by enrolling graduates from the Services Colleges, as well as by promoting personnel from the ranks. The increased requirement now exceeds by far the numbers obtainable from these sources.

In consideration of these factors, the Regular Officer Training Plan will utilize the teaching facilities of the Services Colleges with their blending of military and academic training, and additionally will direct many ROTP cadets to civilian universities. The plan is thus designed to produce officers of high quality with university-level training to meet the needs of the services. It also aims to encourage large numbers of students, who would otherwise be unable to afford a university education, to continue their education with government sponsorship and financial assistance.

The Regular Officer Training Plan

Under ROTP, successful applicants who have completed senior matriculation are enrolled in the armed force of their choice, and are provided with university training. Students who are selected for the ROTP whilst attending university will be enrolled in the armed force of their choice while continuing their university studies.

Training in the ROTP is divided into two phases each year. Cadets will attend

their university for the academic term and then will be sent to a unit of the forces in which they have been enrolled for the summer practical training.

Academic Training

In general terms it can be stated that all courses which are applicable to business and industry are also applicable to the armed forces. Courses are, therefore, offered in the following broad patterns:

Engineering—Civil, Mechanical, Electrical, Aeronautical, Engineering Physics, Chemical.

Arts—General, Honors, Pure Science.

Specialist Courses—Other specialist courses required by the armed forces. (If any course exceeds four years, the student will be accepted in his final four years.)

The greatest requirement is for technically qualified officers, so that the major proportion of selected candidates will be required to accept training in engineering and science faculties.

Conditions of Service

Successful applicants will be enrolled as Naval Cadets in the Royal Canadian Navy, Officer Cadets in the Canadian Army, and Flight Cadets in the Royal Canadian Air Force, according to their choice. They will attend the college or university selected. Undergraduates will complete the summer practical training program as do the reserve personnel of the appropriate university—Naval Training Division (RCN), Canadian Officers' Training Corps (Canadian Army), or University Reserve Training Plan (RCAF).

On successful completion of academic and military training, cadets will be promoted to commissioned officer rank in the regular force. *The privilege of release, if desired, will be granted after three year's commissioned officer service beyond graduation.*

Cadets are obliged to maintain good standing academically in college and throughout military training. A cadet who fails a year, or who lacks adequate standing in any subject of a previous year, loses his benefits. He may, on the recommendation of the faculty and the service concerned, be permitted to attend a year at his own expense and may, if successful, be reinstated.

Financial Assistance

The cost of tuition and other essential fees will be borne by the Department of National Defence. The scale of pay and allowances for cadets under this plan is:

During the periods of attendance at university (academic year), cadets receive:	
	Per month
Pay	\$ 63.00
Subsistence Allowance (where food and lodging is not provided)	65.00
TOTAL	\$128.00

During the period of practical summer training, cadets receive:

Pay	\$ 63.00
(Plus free rations, quarters and travel)	

An allowance of \$75.00 per year is made for the purchase of books and instruments.

Free medical and dental care and annual leave with full pay and allowances will be received throughout the entire training period.

Admission Requirements

Applicants who possess the following qualifications will be considered for selection:

Citizenship—Canadian citizen; British subject resident in Canada.

Marital Status—Must be single and remain so during academic training.

Medical—Must be fit for enrolment in the branch and service of his choice.

Age—Must have reached sixteenth but not twenty-first birthday on January 1 of year of entry into university.

Education—Acceptance for entrance to the University of Alberta.

Selection of Candidates

As future officers of the armed forces, applicants for the ROTP will appear before military interview boards for selection and will be assessed on their academic abilities, personality, character, appearance and leadership qualities.

How to Apply

Applications should be made through the Officer Commanding the unit in which the applicant is interested. Offices for all three services are located in the University Drill Hall.

OFFICER TRAINING UNITS

For details of the above refer to Section VI "Student Services and Student Affairs".

XVI—GENERAL ORGANIZATION OF THE FACULTY

Dean—H. T. Coutts

Associate Dean, Calgary—A. L. Doucette

Assistant to the Dean—W. Pilkington

FACULTY COUNCIL

President Johns

Dean Coutts

Associate Dean Doucette

Professors—Baker, Buxton, Cook, Dunlop, Eaton, Finn, Gilles, Goodwin, Hodgson, Keeping, MacArthur, McDougall, Mardiros, Mowat, Reeves, Salter, Sparby, Van Vliet, Walker

Associate Professors—Aikenhead, Anderson, Ayers, Black, Caldwell, Card, Christensen, Common, Dey, Duggan, Eccles, Eriksson, Forbes, Guy, Hampson, James, Kennedy, Lampard, Lindstedt, Melsness, Newton, Pilkington, Self, Smith, Stadelbauer, Storey, Woodsworth, Worth

Assistant Professors—Affleck, Anderson, Cheal, Crawford, Dockrell, Filipkowski, Harper, Jenkinson, Lupul, Macdonald, Moore, Norris, Stewart

Dr. S. C. T. Clarke, representative of the Alberta Teachers' Association

The Principal of the Demonstration School

The Registrar

ACADEMIC COSTUME

The Faculty color is royal blue. This appears as a border in the bachelor's hood and as a lining in the master's.

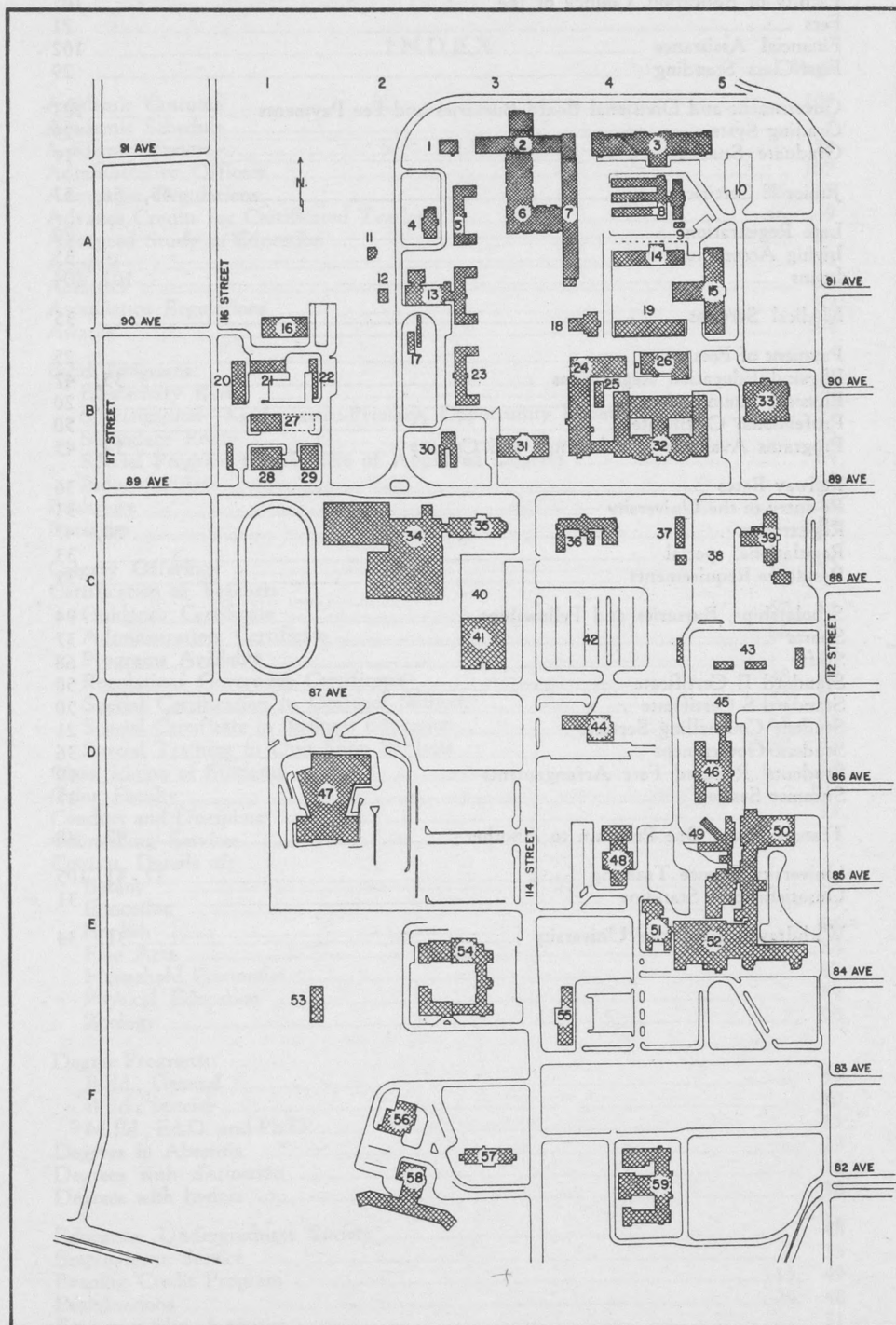
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MAP OF EDMONTON CAMPUS



UNIVERSITY OF ALBERTA

DIRECTORY OF BUILDINGS AND DEPARTMENTS, APRIL, 1960

NOTE: The following numbers correspond to reference numbers on the adjacent map.

Aberhart Sanatorium	58	Machine Shop	29
Accounting	15	Mathematics	2
Administration Building	31	Mechanical Engineering	24
Agricultural Engineering, north entrance of	14	Medical Science Building	32
Agriculture and Biological Sciences Building	3	Medicine and Clinical Medicine	52
Alberta Research Council	36	Mining and Metallurgy, east entrance of	14
Alumni Secretary	35	Modern Languages	15
Anatomy, 3rd floor of	32	National Employment Service	31
Animal Science	3	North Laboratory Building	14
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Arts Building Annex	9	Nursing, east end of	36
Assiniboia Hall, Men's Residence	5	Obstetrics and Gynaecology	52
Athabasca Hall, Men's Residence	13	Ophthalmology and Oto-Laryngology	45
Bacteriology, east entrance of	32	Parking Areas	10, 38, 40, 42
Biochemistry, 3rd floor of	32	Pathology, east entrance of	32
Bookstore	31	Pembina Hall, Women's Residence	23
Botany	3	Petroleum Engineering, south entrance of	24
Business Administration, 2nd floor of	15	Pharmacy, 3rd floor of	32
Cafeteria	18	Philosophy, north entrance of	14
Cancer Clinic	51	Physical Education	34
Chemistry	7	Physics	2
Chemical Engineering, west entrance of	32	Physiology and Pharmacology, 2nd floor of	32
Civil Engineering, west entrance of	24	Physiotherapy	4
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Dentistry, main floor of	32	Provincial Auditorium	47
Dominion Laboratory of Plant Pathology	30	Provincial Gasoline Testing Lab.	44
Drafting	24	Provincial Lab. of Public Health	48
Education Building	59	Provost	31
Electrical Engineering	26	Psychology, north entrance of	14
Engineering Building	24	Radio Studio	15
English, 2nd floor of	15	Research Council of Alberta	44
Entomology	3	Rink	34
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Infirmary	37	West Laboratory Building	30
Law, 2nd floor of	15	Works Department	28
Library	33	Zoology	3

In case of emergency, notify Power Plant (26).

For other information, apply to the office of the Bursar, Administration Building.

